



February 27, 2025

Amanda Albrecht  
3M Environmental  
3M Center, 260-05-N-17  
Saint Paul, MN 551441000

RE: Project: E24-0655 - 3M Menomonie GW-Revised Report  
Pace Project No.: 10718154

Dear Amanda Albrecht:

Enclosed are the analytical results for sample(s) received by the laboratory on December 09, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay
- Pace Analytical Services - Minneapolis

Revised report to update reporting units on the samples that require 5310C only. This report replaces 40288746\_org generated on 12/19/2024.

This report was revised on February 27, 2025, to correct the sample ID for 10718154002 and report dissolved Fe results to the LOD.

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

Sincerely,

*Carolynne Trout*

Carolynne Trout  
carolynne.trout@pacelabs.com  
1(612)607-6351  
Project Manager

Enclosures

cc: 3M Environmental Laboratory, 3M Environmental



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

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### Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

DoD Certification via A2LA #: 2926.01

EPA Region 8 Tribal Water Systems+Wyoming DW  
Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

GMP+ Certification #: GMP050884

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

ISO/IEC 17025 Certification via A2LA #: 2926.01

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification via A2LA #: 2926.01

USDA Permit #: P330-19-00208

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### Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## SAMPLE SUMMARY

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab ID      | Sample ID                 | Matrix | Date Collected | Date Received  |
|-------------|---------------------------|--------|----------------|----------------|
| 10718154001 | MEWI-GW-MW2-0-241205      | Water  | 12/05/24 13:45 | 12/09/24 08:50 |
| 10718154002 | MEWI-GW-MW2PDB-0-241205   | Water  | 12/05/24 12:35 | 12/09/24 08:50 |
| 10718154003 | MEWI-GW-MW3-0-241204      | Water  | 12/04/24 11:50 | 12/09/24 08:50 |
| 10718154004 | MEWI-GW-MW3-DB-241204     | Water  | 12/04/24 11:50 | 12/09/24 08:50 |
| 10718154005 | MEWI-GW-MW4-0-241205      | Water  | 12/05/24 09:30 | 12/09/24 08:50 |
| 10718154006 | MEWI-GW-MW5-0-241204      | Water  | 12/04/24 13:55 | 12/09/24 08:50 |
| 10718154007 | MEWI-GW-MW5PDB-0-241203   | Water  | 12/03/24 08:20 | 12/09/24 08:50 |
| 10718154008 | MEWI-GW-MW8-0-241205      | Water  | 12/05/24 12:10 | 12/09/24 08:50 |
| 10718154009 | MEWI-GW-MW9-0-241204      | Water  | 12/04/24 10:20 | 12/09/24 08:50 |
| 10718154010 | MEWI-GW-MW9PDB-0-241204   | Water  | 12/04/24 09:15 | 12/09/24 08:50 |
| 10718154011 | MEWI-GW-MW11-0-241205     | Water  | 12/05/24 10:40 | 12/09/24 08:50 |
| 10718154012 | MEWI-GW-MW11PDB-0-241205  | Water  | 12/05/24 10:10 | 12/09/24 08:50 |
| 10718154013 | MEWI-GW-PZ2-0-241203      | Water  | 12/03/24 16:25 | 12/09/24 08:50 |
| 10718154014 | MEWI-GW-PZ3-0-241203      | Water  | 12/03/24 14:35 | 12/09/24 08:50 |
| 10718154015 | MEWI-GW-PZ3-DB-241203     | Water  | 12/03/24 14:35 | 12/09/24 08:50 |
| 10718154016 | MEWI-GW-PZ3a-0-241203     | Water  | 12/03/24 15:15 | 12/09/24 08:50 |
| 10718154017 | MEWI-GW-PZ3b-0-241203     | Water  | 12/03/24 15:40 | 12/09/24 08:50 |
| 10718154018 | MEWI-GW-PZ3c-0-241203     | Water  | 12/03/24 16:10 | 12/09/24 08:50 |
| 10718154019 | MEWI-GW-PZ4-0-241203      | Water  | 12/03/24 11:55 | 12/09/24 08:50 |
| 10718154020 | MEWI-GW-PZ5-0-241203      | Water  | 12/03/24 11:40 | 12/09/24 08:50 |
| 10718154021 | MEWI-GW-PZ6-0-241203      | Water  | 12/03/24 11:25 | 12/09/24 08:50 |
| 10718154022 | MEWI-GW-PZ7-0-241203      | Water  | 12/03/24 11:10 | 12/09/24 08:50 |
| 10718154023 | MEWI-GW-PZ8-0-241204      | Water  | 12/04/24 08:15 | 12/09/24 08:50 |
| 10718154024 | MEWI-GW-PZ9-0-241204      | Water  | 12/04/24 08:30 | 12/09/24 08:50 |
| 10718154025 | MEWI-GW-PZ10-0-241203     | Water  | 12/03/24 10:55 | 12/09/24 08:50 |
| 10718154026 | MEWI-GW-PZ11-0-241203     | Water  | 12/03/24 10:40 | 12/09/24 08:50 |
| 10718154027 | MEWI-GW-PZ12-0-241203     | Water  | 12/03/24 10:25 | 12/09/24 08:50 |
| 10718154028 | MEWI-GW-PZ13-0-241203     | Water  | 12/03/24 10:10 | 12/09/24 08:50 |
| 10718154029 | MEWI-SW-CREEK01-0-241202  | Water  | 12/02/24 13:10 | 12/09/24 08:50 |
| 10718154030 | MEWI-SW-CREEK02-0-241202  | Water  | 12/02/24 13:35 | 12/09/24 08:50 |
| 10718154031 | MEWI-SW-CREEK03-0-241202  | Water  | 12/02/24 14:15 | 12/09/24 08:50 |
| 10718154032 | MEWI-SW-CREEK03-DB-241202 | Water  | 12/02/24 14:15 | 12/09/24 08:50 |
| 10718154033 | MEWI-SW-CREEK04-0-241202  | Water  | 12/02/24 13:30 | 12/09/24 08:50 |
| 10718154034 | MEWI-W-TB1-TB-241205      | Water  | 12/05/24 10:30 | 12/09/24 08:50 |
| 10718154035 | MEWI-W-FB1-FB-241204      | Water  | 12/04/24 12:00 | 12/09/24 08:50 |
| 10718154036 | MEWI-W-FB2-FB-241204      | Water  | 12/04/24 15:20 | 12/09/24 08:50 |
| 10718154037 | MEWI-W-FB3-FB-241205      | Water  | 12/05/24 08:25 | 12/09/24 08:50 |

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## SAMPLE SUMMARY

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab ID      | Sample ID            | Matrix | Date Collected | Date Received  |
|-------------|----------------------|--------|----------------|----------------|
| 10718154038 | MEWI-W-FB4-FB-241205 | Water  | 12/05/24 13:00 | 12/09/24 08:50 |
| 10718154039 | MEWI-W-EB1-EB-241205 | Water  | 12/05/24 14:00 | 12/09/24 08:50 |

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## SAMPLE ANALYTE COUNT

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab ID      | Sample ID                | Method         | Analysts | Analytes Reported | Laboratory |
|-------------|--------------------------|----------------|----------|-------------------|------------|
| 10718154001 | MEWI-GW-MW2-0-241205     | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154002 | MEWI-GW-MW2PDB-0-241205  | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154003 | MEWI-GW-MW3-0-241204     | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154004 | MEWI-GW-MW3-DB-241204    | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154005 | MEWI-GW-MW4-0-241205     | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154006 | MEWI-GW-MW5-0-241204     | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154007 | MEWI-GW-MW5PDB-0-241203  | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154008 | MEWI-GW-MW8-0-241205     | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154009 | MEWI-GW-MW9-0-241204     | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154010 | MEWI-GW-MW9PDB-0-241204  | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154011 | MEWI-GW-MW11-0-241205    | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 6010D      | SIS      | 1                 | PASI-G     |
|             |                          | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154012 | MEWI-GW-MW11PDB-0-241205 | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
| 10718154013 | MEWI-GW-PZ2-0-241203     | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
|             |                          | SM 5310C       | TJJ      | 1                 | PASI-G     |
| 10718154014 | MEWI-GW-PZ3-0-241203     | EPA 1633 DRAFT | NBH      | 57                | PASI-M     |
|             |                          | SM 5310C       | TJJ      | 1                 | PASI-G     |
| 10718154015 | MEWI-GW-PZ3-DB-241203    | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154016 | MEWI-GW-PZ3a-0-241203    | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154017 | MEWI-GW-PZ3b-0-241203    | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154018 | MEWI-GW-PZ3c-0-241203    | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154019 | MEWI-GW-PZ4-0-241203     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
|             |                          | SM 5310C       | TJJ      | 1                 | PASI-G     |
| 10718154020 | MEWI-GW-PZ5-0-241203     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154021 | MEWI-GW-PZ6-0-241203     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154022 | MEWI-GW-PZ7-0-241203     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154023 | MEWI-GW-PZ8-0-241204     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154024 | MEWI-GW-PZ9-0-241204     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |

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## SAMPLE ANALYTE COUNT

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab ID      | Sample ID                 | Method         | Analysts | Analytes Reported | Laboratory |
|-------------|---------------------------|----------------|----------|-------------------|------------|
| 10718154025 | MEWI-GW-PZ10-0-241203     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154026 | MEWI-GW-PZ11-0-241203     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154027 | MEWI-GW-PZ12-0-241203     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
|             |                           | SM 5310C       | TJJ      | 1                 | PASI-G     |
| 10718154028 | MEWI-GW-PZ13-0-241203     | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154029 | MEWI-SW-CREEK01-0-241202  | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154030 | MEWI-SW-CREEK02-0-241202  | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154031 | MEWI-SW-CREEK03-0-241202  | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154032 | MEWI-SW-CREEK03-DB-241202 | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154033 | MEWI-SW-CREEK04-0-241202  | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154034 | MEWI-W-TB1-TB-241205      | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154035 | MEWI-W-FB1-FB-241204      | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154036 | MEWI-W-FB2-FB-241204      | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154037 | MEWI-W-FB3-FB-241205      | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154038 | MEWI-W-FB4-FB-241205      | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |
| 10718154039 | MEWI-W-EB1-EB-241205      | EPA 1633 DRAFT | MJL      | 57                | PASI-M     |

PASI-G = Pace Analytical Services - Green Bay

PASI-M = Pace Analytical Services - Minneapolis

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## SUMMARY OF DETECTION

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab Sample ID      | Client Sample ID               |          |       |              |                |            |
|--------------------|--------------------------------|----------|-------|--------------|----------------|------------|
| Method             | Parameters                     | Result   | Units | Report Limit | Analyzed       | Qualifiers |
| <b>10718154001</b> | <b>MEWI-GW-MW2-0-241205</b>    |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                           | 0.0027J  | ug/L  | 0.0044       | 12/19/24 10:36 |            |
| EPA 1633 DRAFT     | PFHxA                          | 0.0049   | ug/L  | 0.0044       | 12/19/24 10:36 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.011J   | ug/L  | 0.017        | 12/19/24 10:36 |            |
| EPA 1633 DRAFT     | PFHpS                          | 0.0016J  | ug/L  | 0.0044       | 12/19/24 10:36 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.0022J  | ug/L  | 0.0087       | 12/19/24 10:36 |            |
| EPA 1633 DRAFT     | PFPeS                          | 0.0031J  | ug/L  | 0.0044       | 12/19/24 10:36 |            |
| EPA 1633 DRAFT     | PFHxS                          | 0.054    | ug/L  | 0.0044       | 12/19/24 10:36 |            |
| EPA 1633 DRAFT     | PFOS                           | 0.018    | ug/L  | 0.0044       | 12/19/24 10:36 |            |
| EPA 1633 DRAFT     | PFOA                           | 0.0030J  | ug/L  | 0.0044       | 12/19/24 10:36 |            |
| <b>10718154002</b> | <b>MEWI-GW-MW2PDB-0-241205</b> |          |       |              |                |            |
| EPA 1633 DRAFT     | ADONA                          | 0.00093J | ug/L  | 0.0039       | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFBS                           | 0.0057   | ug/L  | 0.00097      | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFHxA                          | 0.014    | ug/L  | 0.00097      | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.021    | ug/L  | 0.0039       | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFHpS                          | 0.0014   | ug/L  | 0.00097      | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.0080   | ug/L  | 0.0019       | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFPeS                          | 0.0070   | ug/L  | 0.00097      | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFHpA                          | 0.0013   | ug/L  | 0.00097      | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFHxS                          | 0.073    | ug/L  | 0.00097      | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFOS                           | 0.025    | ug/L  | 0.00097      | 12/19/24 10:52 |            |
| EPA 1633 DRAFT     | PFOA                           | 0.0017   | ug/L  | 0.00097      | 12/19/24 10:52 |            |
| <b>10718154003</b> | <b>MEWI-GW-MW3-0-241204</b>    |          |       |              |                |            |
| EPA 6010D          | Iron                           | 1920     | ug/L  | 100          | 12/17/24 14:56 |            |
| EPA 1633 DRAFT     | PFBS                           | 0.029    | ug/L  | 0.0042       | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFHxA                          | 0.16     | ug/L  | 0.0042       | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.023    | ug/L  | 0.017        | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFHpS                          | 0.063    | ug/L  | 0.0042       | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.028    | ug/L  | 0.0083       | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFPeS                          | 0.068    | ug/L  | 0.0042       | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFHpA                          | 0.020    | ug/L  | 0.0042       | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFHxS                          | 2.4      | ug/L  | 0.0042       | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFOS                           | 0.49     | ug/L  | 0.0042       | 12/19/24 11:07 |            |
| EPA 1633 DRAFT     | PFOA                           | 1.9      | ug/L  | 0.0042       | 12/19/24 11:07 |            |
| <b>10718154004</b> | <b>MEWI-GW-MW3-DB-241204</b>   |          |       |              |                |            |
| EPA 6010D          | Iron                           | 2790     | ug/L  | 100          | 12/17/24 15:03 |            |
| EPA 1633 DRAFT     | PFBS                           | 0.032    | ug/L  | 0.0042       | 12/19/24 11:23 |            |
| EPA 1633 DRAFT     | PFHxA                          | 0.18     | ug/L  | 0.0042       | 12/19/24 11:23 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.025    | ug/L  | 0.017        | 12/19/24 11:23 |            |
| EPA 1633 DRAFT     | PFHpS                          | 0.076    | ug/L  | 0.0042       | 12/19/24 11:23 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.031    | ug/L  | 0.0085       | 12/19/24 11:23 |            |
| EPA 1633 DRAFT     | PFPeS                          | 0.077    | ug/L  | 0.0042       | 12/19/24 11:23 |            |
| EPA 1633 DRAFT     | PFHpA                          | 0.023    | ug/L  | 0.0042       | 12/19/24 11:23 |            |
| EPA 1633 DRAFT     | PFHxS                          | 2.4      | ug/L  | 0.0085       | 12/20/24 11:45 |            |
| EPA 1633 DRAFT     | PFOS                           | 0.54     | ug/L  | 0.0042       | 12/19/24 11:23 |            |
| EPA 1633 DRAFT     | PFOA                           | 2.2      | ug/L  | 0.0042       | 12/19/24 11:23 |            |

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## SUMMARY OF DETECTION

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab Sample ID      | Client Sample ID               |          |       |              |                |            |
|--------------------|--------------------------------|----------|-------|--------------|----------------|------------|
| Method             | Parameters                     | Result   | Units | Report Limit | Analyzed       | Qualifiers |
| <b>10718154005</b> | <b>MEWI-GW-MW4-0-241205</b>    |          |       |              |                |            |
| EPA 6010D          | Iron                           | 480      | ug/L  | 100          | 12/17/24 15:07 |            |
| EPA 1633 DRAFT     | PFBS                           | 0.019    | ug/L  | 0.0042       | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFHxA                          | 0.066    | ug/L  | 0.0042       | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.019    | ug/L  | 0.017        | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFHpS                          | 0.051    | ug/L  | 0.0042       | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.015    | ug/L  | 0.0083       | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFPeS                          | 0.067    | ug/L  | 0.0042       | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFHpA                          | 0.015    | ug/L  | 0.0042       | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFHxS                          | 1.6      | ug/L  | 0.0042       | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFOS                           | 1.2      | ug/L  | 0.0042       | 12/19/24 12:10 |            |
| EPA 1633 DRAFT     | PFOA                           | 0.21     | ug/L  | 0.0042       | 12/19/24 12:10 |            |
| <b>10718154006</b> | <b>MEWI-GW-MW5-0-241204</b>    |          |       |              |                |            |
| EPA 6010D          | Iron                           | 847      | ug/L  | 100          | 12/17/24 15:09 |            |
| EPA 1633 DRAFT     | PFBS                           | 0.0031J  | ug/L  | 0.0046       | 12/19/24 12:25 |            |
| EPA 1633 DRAFT     | PFHxA                          | 0.0038J  | ug/L  | 0.0046       | 12/19/24 12:25 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.013J   | ug/L  | 0.018        | 12/19/24 12:25 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.0026J  | ug/L  | 0.0091       | 12/19/24 12:25 |            |
| EPA 1633 DRAFT     | PFPeS                          | 0.0024J  | ug/L  | 0.0046       | 12/19/24 12:25 |            |
| EPA 1633 DRAFT     | PFHxS                          | 0.031    | ug/L  | 0.0046       | 12/19/24 12:25 |            |
| EPA 1633 DRAFT     | PFOS                           | 0.022    | ug/L  | 0.0046       | 12/19/24 12:25 |            |
| EPA 1633 DRAFT     | PFOA                           | 0.0029J  | ug/L  | 0.0046       | 12/19/24 12:25 |            |
| <b>10718154007</b> | <b>MEWI-GW-MW5PDB-0-241203</b> |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                           | 0.011    | ug/L  | 0.0011       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFHxA                          | 0.0051   | ug/L  | 0.0011       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.049    | ug/L  | 0.0044       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFHpS                          | 0.0017   | ug/L  | 0.0011       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.0063   | ug/L  | 0.0022       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFPeS                          | 0.0070   | ug/L  | 0.0011       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFHpA                          | 0.0012   | ug/L  | 0.0011       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFHxS                          | 0.090    | ug/L  | 0.0011       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFOS                           | 0.13     | ug/L  | 0.0011       | 12/19/24 12:41 |            |
| EPA 1633 DRAFT     | PFOA                           | 0.014    | ug/L  | 0.0011       | 12/19/24 12:41 |            |
| <b>10718154008</b> | <b>MEWI-GW-MW8-0-241205</b>    |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                           | 0.0052   | ug/L  | 0.0046       | 12/19/24 12:57 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.014J   | ug/L  | 0.018        | 12/19/24 12:57 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.0015J  | ug/L  | 0.0092       | 12/19/24 12:57 |            |
| EPA 1633 DRAFT     | PFPeS                          | 0.0023J  | ug/L  | 0.0046       | 12/19/24 12:57 |            |
| EPA 1633 DRAFT     | PFHxS                          | 0.019    | ug/L  | 0.0046       | 12/19/24 12:57 |            |
| EPA 1633 DRAFT     | PFOS                           | 0.0035J  | ug/L  | 0.0046       | 12/19/24 12:57 |            |
| EPA 1633 DRAFT     | PFOA                           | 0.0044J  | ug/L  | 0.0046       | 12/19/24 12:57 |            |
| <b>10718154009</b> | <b>MEWI-GW-MW9-0-241204</b>    |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                           | 0.00059J | ug/L  | 0.0010       | 12/19/24 13:12 |            |
| EPA 1633 DRAFT     | PFHxA                          | 0.00069J | ug/L  | 0.0010       | 12/19/24 13:12 |            |
| EPA 1633 DRAFT     | PFBA                           | 0.0053   | ug/L  | 0.0042       | 12/19/24 13:12 |            |
| EPA 1633 DRAFT     | PFPeA                          | 0.00060J | ug/L  | 0.0021       | 12/19/24 13:12 |            |

## REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab Sample ID      | Client Sample ID                |          |       |              |                |            |
|--------------------|---------------------------------|----------|-------|--------------|----------------|------------|
| Method             | Parameters                      | Result   | Units | Report Limit | Analyzed       | Qualifiers |
| <b>10718154009</b> | <b>MEWI-GW-MW9-0-241204</b>     |          |       |              |                |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.00077J | ug/L  | 0.0010       | 12/19/24 13:12 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.00094J | ug/L  | 0.0010       | 12/19/24 13:12 |            |
| <b>10718154010</b> | <b>MEWI-GW-MW9PDB-0-241204</b>  |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                            | 0.0026   | ug/L  | 0.0011       | 12/19/24 13:28 |            |
| EPA 1633 DRAFT     | PFHxA                           | 0.0010J  | ug/L  | 0.0011       | 12/19/24 13:28 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.0074   | ug/L  | 0.0042       | 12/19/24 13:28 |            |
| EPA 1633 DRAFT     | PFHpS                           | 0.00049J | ug/L  | 0.0011       | 12/19/24 13:28 |            |
| EPA 1633 DRAFT     | PFPeA                           | 0.00065J | ug/L  | 0.0021       | 12/19/24 13:28 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.0013   | ug/L  | 0.0011       | 12/19/24 13:28 |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.013    | ug/L  | 0.0011       | 12/19/24 13:28 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.020    | ug/L  | 0.0011       | 12/19/24 13:28 |            |
| EPA 1633 DRAFT     | PFOA                            | 0.00049J | ug/L  | 0.0011       | 12/19/24 13:28 |            |
| <b>10718154011</b> | <b>MEWI-GW-MW11-0-241205</b>    |          |       |              |                |            |
| EPA 6010D          | Iron                            | 2400     | ug/L  | 100          | 12/17/24 15:15 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.014J   | ug/L  | 0.019        | 12/19/24 13:44 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.0054   | ug/L  | 0.0047       | 12/19/24 13:44 |            |
| <b>10718154012</b> | <b>MEWI-GW-MW11PDB-0-241205</b> |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                            | 0.00070J | ug/L  | 0.0011       | 12/19/24 13:59 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.021    | ug/L  | 0.0044       | 12/19/24 13:59 |            |
| EPA 1633 DRAFT     | PFOSA                           | 0.00030J | ug/L  | 0.0011       | 12/19/24 13:59 |            |
| EPA 1633 DRAFT     | PFPeA                           | 0.00045J | ug/L  | 0.0022       | 12/19/24 13:59 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.00033J | ug/L  | 0.0011       | 12/19/24 13:59 |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.00047J | ug/L  | 0.0011       | 12/19/24 13:59 |            |
| <b>10718154013</b> | <b>MEWI-GW-PZ2-0-241203</b>     |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                            | 0.028    | ug/L  | 0.0049       | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFHxA                           | 0.091    | ug/L  | 0.0049       | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.033    | ug/L  | 0.020        | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFHpS                           | 0.029    | ug/L  | 0.0049       | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFPeA                           | 0.025    | ug/L  | 0.0098       | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.10     | ug/L  | 0.0049       | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFHpA                           | 0.015    | ug/L  | 0.0049       | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFHxS                           | 1.3      | ug/L  | 0.0049       | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.13     | ug/L  | 0.0049       | 12/19/24 14:15 |            |
| EPA 1633 DRAFT     | PFOA                            | 0.10     | ug/L  | 0.0049       | 12/19/24 14:15 |            |
| SM 5310C           | Total Organic Carbon            | 1220     | ug/L  | 500          | 12/16/24 05:35 |            |
| <b>10718154014</b> | <b>MEWI-GW-PZ3-0-241203</b>     |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                            | 0.28     | ug/L  | 0.0048       | 12/19/24 14:31 |            |
| EPA 1633 DRAFT     | PFHxA                           | 0.47     | ug/L  | 0.0048       | 12/19/24 14:31 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.070    | ug/L  | 0.019        | 12/19/24 14:31 |            |
| EPA 1633 DRAFT     | PFHpS                           | 0.085    | ug/L  | 0.0048       | 12/19/24 14:31 |            |
| EPA 1633 DRAFT     | PFPeA                           | 0.091    | ug/L  | 0.0095       | 12/19/24 14:31 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.56     | ug/L  | 0.0048       | 12/19/24 14:31 |            |
| EPA 1633 DRAFT     | PFHpA                           | 0.081    | ug/L  | 0.0048       | 12/19/24 14:31 |            |
| EPA 1633 DRAFT     | PFHxS                           | 4.1      | ug/L  | 0.024        | 12/20/24 12:01 |            |

## REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab Sample ID      | Client Sample ID             |          |       |              |                |            |
|--------------------|------------------------------|----------|-------|--------------|----------------|------------|
| Method             | Parameters                   | Result   | Units | Report Limit | Analyzed       | Qualifiers |
| <b>10718154014</b> | <b>MEWI-GW-PZ3-0-241203</b>  |          |       |              |                |            |
| EPA 1633 DRAFT     | PFOS                         | 4.7      | ug/L  | 0.024        | 12/20/24 12:01 |            |
| EPA 1633 DRAFT     | PFOA                         | 0.22     | ug/L  | 0.0048       | 12/19/24 14:31 |            |
| SM 5310C           | Total Organic Carbon         | 1570     | ug/L  | 500          | 12/16/24 05:52 |            |
| <b>10718154015</b> | <b>MEWI-GW-PZ3-DB-241203</b> |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                         | 0.27     | ug/L  | 0.0011       | 12/20/24 13:55 |            |
| EPA 1633 DRAFT     | PFHxA                        | 0.45     | ug/L  | 0.0011       | 12/20/24 13:55 |            |
| EPA 1633 DRAFT     | PFBA                         | 0.068    | ug/L  | 0.0042       | 12/20/24 13:55 |            |
| EPA 1633 DRAFT     | PFHpS                        | 0.10     | ug/L  | 0.0011       | 12/20/24 13:55 |            |
| EPA 1633 DRAFT     | PFPeA                        | 0.088    | ug/L  | 0.0021       | 12/20/24 13:55 |            |
| EPA 1633 DRAFT     | PFPeS                        | 0.72     | ug/L  | 0.0011       | 12/20/24 13:55 |            |
| EPA 1633 DRAFT     | PFHpA                        | 0.080    | ug/L  | 0.0011       | 12/20/24 13:55 |            |
| EPA 1633 DRAFT     | PFHxS                        | 4.0      | ug/L  | 0.011        | 12/23/24 14:27 |            |
| EPA 1633 DRAFT     | PFNA                         | 0.00048J | ug/L  | 0.0011       | 12/20/24 13:55 |            |
| EPA 1633 DRAFT     | PFOS                         | 4.6      | ug/L  | 0.011        | 12/23/24 14:27 |            |
| EPA 1633 DRAFT     | PFOA                         | 0.21     | ug/L  | 0.0011       | 12/20/24 13:55 |            |
| <b>10718154016</b> | <b>MEWI-GW-PZ3a-0-241203</b> |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                         | 0.31     | ug/L  | 0.0050       | 12/20/24 14:11 |            |
| EPA 1633 DRAFT     | PFHxA                        | 0.56     | ug/L  | 0.0050       | 12/20/24 14:11 |            |
| EPA 1633 DRAFT     | PFBA                         | 0.084    | ug/L  | 0.020        | 12/20/24 14:11 |            |
| EPA 1633 DRAFT     | PFHpS                        | 0.12     | ug/L  | 0.0050       | 12/20/24 14:11 |            |
| EPA 1633 DRAFT     | PFPeA                        | 0.095    | ug/L  | 0.010        | 12/20/24 14:11 |            |
| EPA 1633 DRAFT     | PFPeS                        | 0.96     | ug/L  | 0.0050       | 12/20/24 14:11 |            |
| EPA 1633 DRAFT     | PFHpA                        | 0.15     | ug/L  | 0.0050       | 12/20/24 14:11 |            |
| EPA 1633 DRAFT     | PFHxS                        | 5.3      | ug/L  | 0.050        | 12/23/24 13:40 |            |
| EPA 1633 DRAFT     | PFOS                         | 5.3      | ug/L  | 0.050        | 12/23/24 13:40 |            |
| EPA 1633 DRAFT     | PFOA                         | 0.26     | ug/L  | 0.0050       | 12/20/24 14:11 |            |
| <b>10718154017</b> | <b>MEWI-GW-PZ3b-0-241203</b> |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                         | 0.38     | ug/L  | 0.011        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFHxA                        | 0.66     | ug/L  | 0.011        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFBA                         | 0.096    | ug/L  | 0.045        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFHpS                        | 0.12     | ug/L  | 0.011        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFPeA                        | 0.12     | ug/L  | 0.022        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFPeS                        | 0.72     | ug/L  | 0.011        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFHpA                        | 0.094    | ug/L  | 0.011        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFHxS                        | 4.8      | ug/L  | 0.011        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFOS                         | 4.0      | ug/L  | 0.011        | 12/20/24 14:27 |            |
| EPA 1633 DRAFT     | PFOA                         | 0.25     | ug/L  | 0.011        | 12/20/24 14:27 |            |
| <b>10718154018</b> | <b>MEWI-GW-PZ3c-0-241203</b> |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                         | 0.19J    | ug/L  | 0.25         | 12/20/24 14:43 |            |
| EPA 1633 DRAFT     | PFHxA                        | 0.39     | ug/L  | 0.25         | 12/20/24 14:43 |            |
| EPA 1633 DRAFT     | PFBA                         | 0.23J    | ug/L  | 1.0          | 12/20/24 14:43 |            |
| EPA 1633 DRAFT     | PFPeA                        | 0.11J    | ug/L  | 0.50         | 12/20/24 14:43 |            |
| EPA 1633 DRAFT     | PFPeS                        | 0.40     | ug/L  | 0.25         | 12/20/24 14:43 |            |
| EPA 1633 DRAFT     | PFHpA                        | 0.067J   | ug/L  | 0.25         | 12/20/24 14:43 |            |
| EPA 1633 DRAFT     | PFHxS                        | 2.6      | ug/L  | 0.25         | 12/20/24 14:43 |            |

## REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab Sample ID      | Client Sample ID             |         |       |              |                |            |
|--------------------|------------------------------|---------|-------|--------------|----------------|------------|
| Method             | Parameters                   | Result  | Units | Report Limit | Analyzed       | Qualifiers |
| <b>10718154018</b> | <b>MEWI-GW-PZ3c-0-241203</b> |         |       |              |                |            |
| EPA 1633 DRAFT     | PFOS                         | 1.6     | ug/L  | 0.25         | 12/20/24 14:43 |            |
| EPA 1633 DRAFT     | PFOA                         | 0.24J   | ug/L  | 0.25         | 12/20/24 14:43 |            |
| <b>10718154019</b> | <b>MEWI-GW-PZ4-0-241203</b>  |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                         | 0.014   | ug/L  | 0.0011       | 12/20/24 15:29 |            |
| EPA 1633 DRAFT     | PFHxA                        | 0.026   | ug/L  | 0.0011       | 12/20/24 15:29 |            |
| EPA 1633 DRAFT     | PFBA                         | 0.027   | ug/L  | 0.0043       | 12/20/24 15:29 |            |
| EPA 1633 DRAFT     | PFHpS                        | 0.084   | ug/L  | 0.0011       | 12/20/24 15:29 |            |
| EPA 1633 DRAFT     | PFPeA                        | 0.0072  | ug/L  | 0.0022       | 12/20/24 15:29 |            |
| EPA 1633 DRAFT     | PFPeS                        | 0.049   | ug/L  | 0.0011       | 12/20/24 15:29 |            |
| EPA 1633 DRAFT     | PFHpA                        | 0.0031  | ug/L  | 0.0011       | 12/20/24 15:29 |            |
| EPA 1633 DRAFT     | PFHxS                        | 0.66    | ug/L  | 0.0054       | 12/23/24 14:11 |            |
| EPA 1633 DRAFT     | PFOS                         | 1.4     | ug/L  | 0.0054       | 12/23/24 14:11 |            |
| EPA 1633 DRAFT     | PFOA                         | 0.029   | ug/L  | 0.0011       | 12/20/24 15:29 |            |
| SM 5310C           | Total Organic Carbon         | 670     | ug/L  | 500          | 12/16/24 06:08 |            |
| <b>10718154020</b> | <b>MEWI-GW-PZ5-0-241203</b>  |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                         | 0.021   | ug/L  | 0.0049       | 12/20/24 15:45 |            |
| EPA 1633 DRAFT     | PFHxA                        | 0.014   | ug/L  | 0.0049       | 12/20/24 15:45 |            |
| EPA 1633 DRAFT     | PFBA                         | 0.080   | ug/L  | 0.020        | 12/20/24 15:45 |            |
| EPA 1633 DRAFT     | PFPeA                        | 0.0056J | ug/L  | 0.0099       | 12/20/24 15:45 |            |
| EPA 1633 DRAFT     | PFPeS                        | 0.015   | ug/L  | 0.0049       | 12/20/24 15:45 |            |
| EPA 1633 DRAFT     | PFHpA                        | 0.0031J | ug/L  | 0.0049       | 12/20/24 15:45 |            |
| EPA 1633 DRAFT     | PFHxS                        | 0.066   | ug/L  | 0.0049       | 12/20/24 15:45 |            |
| EPA 1633 DRAFT     | PFOS                         | 0.0084  | ug/L  | 0.0049       | 12/20/24 15:45 |            |
| EPA 1633 DRAFT     | PFOA                         | 0.0066  | ug/L  | 0.0049       | 12/20/24 15:45 |            |
| <b>10718154021</b> | <b>MEWI-GW-PZ6-0-241203</b>  |         |       |              |                |            |
| EPA 1633 DRAFT     | PFHxA                        | 0.0075J | ug/L  | 0.019        | 12/20/24 16:02 |            |
| EPA 1633 DRAFT     | PFBA                         | 0.035J  | ug/L  | 0.078        | 12/20/24 16:02 |            |
| EPA 1633 DRAFT     | PFPeS                        | 0.0089J | ug/L  | 0.019        | 12/20/24 16:02 |            |
| EPA 1633 DRAFT     | PFHxS                        | 0.052   | ug/L  | 0.019        | 12/20/24 16:02 |            |
| EPA 1633 DRAFT     | PFOS                         | 0.012J  | ug/L  | 0.019        | 12/20/24 16:02 |            |
| <b>10718154022</b> | <b>MEWI-GW-PZ7-0-241203</b>  |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                         | 0.0075J | ug/L  | 0.010        | 12/20/24 16:18 |            |
| EPA 1633 DRAFT     | PFHxA                        | 0.0064J | ug/L  | 0.010        | 12/20/24 16:18 |            |
| EPA 1633 DRAFT     | PFBA                         | 0.029J  | ug/L  | 0.040        | 12/20/24 16:18 |            |
| EPA 1633 DRAFT     | PFPeS                        | 0.0084J | ug/L  | 0.010        | 12/20/24 16:18 |            |
| EPA 1633 DRAFT     | PFHxS                        | 0.029   | ug/L  | 0.010        | 12/20/24 16:18 |            |
| EPA 1633 DRAFT     | PFOS                         | 0.0051J | ug/L  | 0.010        | 12/20/24 16:18 |            |
| EPA 1633 DRAFT     | PFOA                         | 0.0051J | ug/L  | 0.010        | 12/20/24 16:18 |            |
| <b>10718154023</b> | <b>MEWI-GW-PZ8-0-241204</b>  |         |       |              |                |            |
| EPA 1633 DRAFT     | PFOS                         | 0.0027J | ug/L  | 0.0051       | 12/20/24 16:33 |            |
| <b>10718154024</b> | <b>MEWI-GW-PZ9-0-241204</b>  |         |       |              |                |            |
| EPA 1633 DRAFT     | PFOS                         | 0.0025J | ug/L  | 0.0050       | 12/20/24 16:49 |            |

## REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab Sample ID      | Client Sample ID                |         |       |              |                |            |
|--------------------|---------------------------------|---------|-------|--------------|----------------|------------|
| Method             | Parameters                      | Result  | Units | Report Limit | Analyzed       | Qualifiers |
| <b>10718154025</b> | <b>MEWI-GW-PZ10-0-241203</b>    |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                            | 0.028   | ug/L  | 0.0097       | 12/20/24 17:05 |            |
| EPA 1633 DRAFT     | PFHxA                           | 0.058   | ug/L  | 0.0097       | 12/20/24 17:05 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.037J  | ug/L  | 0.039        | 12/20/24 17:05 |            |
| EPA 1633 DRAFT     | PFPeA                           | 0.010J  | ug/L  | 0.019        | 12/20/24 17:05 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.032   | ug/L  | 0.0097       | 12/20/24 17:05 |            |
| EPA 1633 DRAFT     | PFHpA                           | 0.012   | ug/L  | 0.0097       | 12/20/24 17:05 |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.25    | ug/L  | 0.0097       | 12/20/24 17:05 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.012   | ug/L  | 0.0097       | 12/20/24 17:05 |            |
| EPA 1633 DRAFT     | PFOA                            | 0.045   | ug/L  | 0.0097       | 12/20/24 17:05 |            |
| <b>10718154026</b> | <b>MEWI-GW-PZ11-0-241203</b>    |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBA                            | 0.042J  | ug/L  | 0.20         | 12/20/24 17:20 |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.16    | ug/L  | 0.051        | 12/20/24 17:20 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.099   | ug/L  | 0.051        | 12/20/24 17:20 |            |
| EPA 1633 DRAFT     | PFOA                            | 0.037J  | ug/L  | 0.051        | 12/20/24 17:20 |            |
| <b>10718154027</b> | <b>MEWI-GW-PZ12-0-241203</b>    |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBA                            | 0.011J  | ug/L  | 0.019        | 12/20/24 17:36 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.0018J | ug/L  | 0.0047       | 12/20/24 17:36 |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.012   | ug/L  | 0.0047       | 12/20/24 17:36 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.0020J | ug/L  | 0.0047       | 12/20/24 17:36 |            |
| SM 5310C           | Total Organic Carbon            | 894     | ug/L  | 500          | 12/16/24 06:44 |            |
| <b>10718154028</b> | <b>MEWI-GW-PZ13-0-241203</b>    |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBA                            | 0.013J  | ug/L  | 0.083        | 12/20/24 17:51 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.0096J | ug/L  | 0.021        | 12/20/24 17:51 |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.090   | ug/L  | 0.021        | 12/20/24 17:51 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.025   | ug/L  | 0.021        | 12/20/24 17:51 |            |
| <b>10718154029</b> | <b>MEWI-SW-CREEK01-0-241202</b> |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                            | 0.0040J | ug/L  | 0.0048       | 12/20/24 18:38 |            |
| EPA 1633 DRAFT     | PFHxA                           | 0.0026J | ug/L  | 0.0048       | 12/20/24 18:38 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.0066J | ug/L  | 0.019        | 12/20/24 18:38 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.0021J | ug/L  | 0.0048       | 12/20/24 18:38 |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.014   | ug/L  | 0.0048       | 12/20/24 18:38 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.017   | ug/L  | 0.0048       | 12/20/24 18:38 |            |
| <b>10718154030</b> | <b>MEWI-SW-CREEK02-0-241202</b> |         |       |              |                |            |
| EPA 1633 DRAFT     | PFHxA                           | 0.0039J | ug/L  | 0.010        | 12/20/24 18:54 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.012J  | ug/L  | 0.040        | 12/20/24 18:54 |            |
| EPA 1633 DRAFT     | PFPeS                           | 0.0049J | ug/L  | 0.010        | 12/20/24 18:54 |            |
| EPA 1633 DRAFT     | PFHxS                           | 0.040   | ug/L  | 0.010        | 12/20/24 18:54 |            |
| EPA 1633 DRAFT     | PFOS                            | 0.022   | ug/L  | 0.010        | 12/20/24 18:54 |            |
| EPA 1633 DRAFT     | PFOA                            | 0.0043J | ug/L  | 0.010        | 12/20/24 18:54 |            |
| <b>10718154031</b> | <b>MEWI-SW-CREEK03-0-241202</b> |         |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                            | 0.0056J | ug/L  | 0.010        | 12/20/24 19:10 |            |
| EPA 1633 DRAFT     | PFHxA                           | 0.0081J | ug/L  | 0.010        | 12/20/24 19:10 |            |
| EPA 1633 DRAFT     | PFBA                            | 0.020J  | ug/L  | 0.040        | 12/20/24 19:10 |            |
| EPA 1633 DRAFT     | PFOSA                           | 0.0074J | ug/L  | 0.010        | 12/20/24 19:10 |            |

## REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab Sample ID      | Client Sample ID                 |          |       |              |                |            |
|--------------------|----------------------------------|----------|-------|--------------|----------------|------------|
| Method             | Parameters                       | Result   | Units | Report Limit | Analyzed       | Qualifiers |
| <b>10718154031</b> | <b>MEWI-SW-CREEK03-0-241202</b>  |          |       |              |                |            |
| EPA 1633 DRAFT     | PFPeA                            | 0.0032J  | ug/L  | 0.020        | 12/20/24 19:10 |            |
| EPA 1633 DRAFT     | PFPeS                            | 0.0075J  | ug/L  | 0.010        | 12/20/24 19:10 |            |
| EPA 1633 DRAFT     | PFHxS                            | 0.065    | ug/L  | 0.010        | 12/20/24 19:10 |            |
| EPA 1633 DRAFT     | PFOS                             | 0.042    | ug/L  | 0.010        | 12/20/24 19:10 |            |
| EPA 1633 DRAFT     | PFOA                             | 0.0086J  | ug/L  | 0.010        | 12/20/24 19:10 |            |
| <b>10718154032</b> | <b>MEWI-SW-CREEK03-DB-241202</b> |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                             | 0.0058J  | ug/L  | 0.010        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFHxA                            | 0.0078J  | ug/L  | 0.010        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFBA                             | 0.020J   | ug/L  | 0.042        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFOSA                            | 0.0032J  | ug/L  | 0.010        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFPeA                            | 0.0035J  | ug/L  | 0.021        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFPeS                            | 0.0076J  | ug/L  | 0.010        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFHpA                            | 0.0029J  | ug/L  | 0.010        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFHxS                            | 0.059    | ug/L  | 0.010        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFOS                             | 0.029    | ug/L  | 0.010        | 12/20/24 19:25 |            |
| EPA 1633 DRAFT     | PFOA                             | 0.0077J  | ug/L  | 0.010        | 12/20/24 19:25 |            |
| <b>10718154033</b> | <b>MEWI-SW-CREEK04-0-241202</b>  |          |       |              |                |            |
| EPA 1633 DRAFT     | PFBS                             | 0.0028J  | ug/L  | 0.0050       | 12/20/24 19:41 |            |
| EPA 1633 DRAFT     | PFHxA                            | 0.0024J  | ug/L  | 0.0050       | 12/20/24 19:41 |            |
| EPA 1633 DRAFT     | PFBA                             | 0.011J   | ug/L  | 0.020        | 12/20/24 19:41 |            |
| EPA 1633 DRAFT     | PFPeS                            | 0.0031J  | ug/L  | 0.0050       | 12/20/24 19:41 |            |
| EPA 1633 DRAFT     | PFHxS                            | 0.028    | ug/L  | 0.0050       | 12/20/24 19:41 |            |
| EPA 1633 DRAFT     | PFOS                             | 0.0095   | ug/L  | 0.0050       | 12/20/24 19:41 |            |
| EPA 1633 DRAFT     | PFOA                             | 0.0031J  | ug/L  | 0.0050       | 12/20/24 19:41 |            |
| <b>10718154039</b> | <b>MEWI-W-EB1-EB-241205</b>      |          |       |              |                |            |
| EPA 1633 DRAFT     | PFOS                             | 0.00023J | ug/L  | 0.0011       | 12/18/24 15:05 |            |

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

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**Date:** February 27, 2025

The quality system for Pace Analytical Services, LLC in Minneapolis, MN (Pace-Mpls) has been audited and was found to be in conformance with ISO/IEC 17025:2017 by an independent assessment (A2LA Certificate # 2926). The PFAS test results in non-drinking water for this project are not covered by this accreditation.

Pace-Mpls maintains accreditation with the state of Wisconsin for their isotope dilution analysis as defined in ENV-SOP-MIN4-0178 under certificate number 999407970. All of the test results for this project are covered by the Wisconsin accreditation.

Pace-GB maintains accreditation with the state of Wisconsin for TOC and 6010 analyses under certificate number 405132750. All of the test results for this project are covered by the Wisconsin accreditation.

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

---

**Method:** EPA 6010D

**Description:** 6010D MET ICP

**Client:** 3M Environmental

**Date:** February 27, 2025

### General Information:

5 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

---

**Method:** EPA 6010D

**Description:** 6010D MET ICP, Dissolved

**Client:** 3M Environmental

**Date:** February 27, 2025

### General Information:

5 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

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## PROJECT NARRATIVE

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

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**Method:** EPA 1633 DRAFT

**Description:** EPA 1633 DRAFT Water

**Client:** 3M Environmental

**Date:** February 27, 2025

### General Information:

39 samples were analyzed for EPA 1633 DRAFT by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 1633 DRAFT with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 984659

S0: Surrogate recovery outside laboratory control limits.

- MS (Lab ID: 5144089)
  - 13C4-PFBA (S)
- MSD (Lab ID: 5144090)
  - 13C4-PFBA (S)
  - 13C5-PFPeA (S)

QC Batch: 984924

S0: Surrogate recovery outside laboratory control limits.

- MEWI-GW-PZ3-DB-241203 (Lab ID: 10718154015)
  - 13C3-PFBS (S)
- MEWI-GW-PZ3c-0-241203 (Lab ID: 10718154018)
  - 13C8-PFOSA (S)
  - d3-MeFOSAA (S)

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

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**Method:** EPA 1633 DRAFT

**Description:** EPA 1633 DRAFT Water

**Client:** 3M Environmental

**Date:** February 27, 2025

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

Analyte Comments:

QC Batch: 984924

1M: All narrated results associated with this sample confirmed through secondary analysis. Extracted Internal Standards (EIS) with 0% recovery are confirmed based on their low detections meeting signal to noise criteria described in the laboratories SOP

- MEWI-GW-PZ3-DB-241203 (Lab ID: 10718154015)
  - 13C2-PFDoA (S)
- MEWI-GW-PZ3c-0-241203 (Lab ID: 10718154018)
  - 13C2-PFDoA (S)

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MEWI-GW-PZ8-0-241204 (Lab ID: 10718154023)
  - 13C2-PFDoA (S)
- MEWI-GW-PZ9-0-241204 (Lab ID: 10718154024)
  - 13C2-PFDoA (S)

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## PROJECT NARRATIVE

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

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**Method:** SM 5310C

**Description:** 5310C TOC

**Client:** 3M Environmental

**Date:** February 27, 2025

### General Information:

4 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW2-0-241205 Lab ID: 10718154001 Collected: 12/05/24 13:45 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 114.5 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0034  | ug/L  | 0.017  | 0.0034  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0021  | ug/L  | 0.017  | 0.0021  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0043  | ug/L  | 0.017  | 0.0043  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0046  | ug/L  | 0.017  | 0.0046  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0036  | ug/L  | 0.017  | 0.0036  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 756426-58-1 |      |
| ADONA                                                                | <0.0026  | ug/L  | 0.017  | 0.0026  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0034  | ug/L  | 0.017  | 0.0034  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0015  | ug/L  | 0.0044 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0011  | ug/L  | 0.0044 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.014   | ug/L  | 0.044  | 0.014   | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0014  | ug/L  | 0.0044 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0012  | ug/L  | 0.0044 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.012   | ug/L  | 0.044  | 0.012   | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 24448-09-7  |      |
| PFBS                                                                 | 0.0027J  | ug/L  | 0.0044 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 375-73-5    |      |
| PFDA                                                                 | <0.00078 | ug/L  | 0.0044 | 0.00078 | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 335-76-2    |      |
| PFHxA                                                                | 0.0049   | ug/L  | 0.0044 | 0.00066 | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 307-24-4    |      |
| PFBA                                                                 | 0.011J   | ug/L  | 0.017  | 0.0027  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 375-22-4    |      |
| PFDS                                                                 | <0.0012  | ug/L  | 0.0044 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 335-77-3    |      |
| PFDoS                                                                | <0.0012  | ug/L  | 0.0044 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 79780-39-5  |      |
| PFHpS                                                                | 0.0016J  | ug/L  | 0.0044 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 375-92-8    |      |
| PFNS                                                                 | <0.0011  | ug/L  | 0.0044 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 68259-12-1  |      |
| PFOSA                                                                | <0.0010  | ug/L  | 0.0044 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 754-91-6    |      |
| PFPeA                                                                | 0.0022J  | ug/L  | 0.0087 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 2706-90-3   |      |
| PFPeS                                                                | 0.0031J  | ug/L  | 0.0044 | 0.00079 | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 2706-91-4   |      |
| PFDaA                                                                | <0.00097 | ug/L  | 0.0044 | 0.00097 | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 307-55-1    |      |
| PFHpA                                                                | <0.00093 | ug/L  | 0.0044 | 0.00093 | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 375-85-9    |      |
| PFHxS                                                                | 0.054    | ug/L  | 0.0044 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 355-46-4    |      |
| PFNA                                                                 | <0.0010  | ug/L  | 0.0044 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 375-95-1    |      |
| PFOS                                                                 | 0.018    | ug/L  | 0.0044 | 0.00076 | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 1763-23-1   |      |
| PFOA                                                                 | 0.0030J  | ug/L  | 0.0044 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 335-67-1    |      |
| PFTeDA                                                               | <0.0012  | ug/L  | 0.0044 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00086 | ug/L  | 0.0044 | 0.00086 | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 72629-94-8  |      |
| PFUnA                                                                | <0.0011  | ug/L  | 0.0044 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 10:36 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 87       | %     | 10-130 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C3HFPO-DA (S)                                                      | 96       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C3-PFBS (S)                                                        | 103      | %     | 40-135 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C3-PFHxS (S)                                                       | 101      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C4-PFBA (S)                                                        | 94       | %     | 5-130  |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C4-PFHpA (S)                                                       | 92       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C5-PFHxA (S)                                                       | 93       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C5-PFPeA (S)                                                       | 99       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C6-PFDA (S)                                                        | 93       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |
| 13C8-PFOA (S)                                                        | 96       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 10:36 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW2-0-241205 Lab ID: 10718154001 Collected: 12/05/24 13:45 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 114.5 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 96  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| 13C8-PFOSA (S) | 89  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| 13C9-PFNA (S)  | 91  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| d3-MeFOSAA (S) | 83  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| d3-NMeFOSA (S) | 66  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| d5-EtFOSAA (S) | 84  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| d5-NEtFOSA (S) | 66  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| d7-NMeFOSE (S) | 86  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| d9-NEtFOSE (S) | 93  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| 13C2-PFTA (S)  | 87  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| 13C7-PFUDa (S) | 94  | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| 13C24:2FTS (S) | 119 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| 13C26:2FTS (S) | 127 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |
| 13C28:2FTS (S) | 110 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 10:36 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-GW-MW2PDB-0-241205 **Lab ID:** 10718154002 **Collected:** 12/05/24 12:35 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results  | Units | LOQ     | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|---------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |         |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |         |         |    |                |                |             |      |
| Initial Volume/Weight: 514.4 mL Final Volume/Weight: 5 mL            |          |       |         |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |         |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00076 | ug/L  | 0.0039  | 0.00076 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00047 | ug/L  | 0.0039  | 0.00047 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.00095 | ug/L  | 0.0039  | 0.00095 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0010  | ug/L  | 0.0039  | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00080 | ug/L  | 0.0039  | 0.00080 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 756426-58-1 |      |
| ADONA                                                                | 0.00093J | ug/L  | 0.0039  | 0.00057 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00076 | ug/L  | 0.0039  | 0.00076 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00034 | ug/L  | 0.00097 | 0.00034 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00025 | ug/L  | 0.00097 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0031  | ug/L  | 0.0097  | 0.0031  | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00031 | ug/L  | 0.00097 | 0.00031 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00026 | ug/L  | 0.00097 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0026  | ug/L  | 0.0097  | 0.0026  | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 24448-09-7  |      |
| PFBS                                                                 | 0.0057   | ug/L  | 0.00097 | 0.00031 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 375-73-5    |      |
| PFDA                                                                 | <0.00017 | ug/L  | 0.00097 | 0.00017 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 335-76-2    |      |
| PFHxA                                                                | 0.014    | ug/L  | 0.00097 | 0.00015 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 307-24-4    |      |
| PFBA                                                                 | 0.021    | ug/L  | 0.0039  | 0.00060 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 375-22-4    |      |
| PFDS                                                                 | <0.00026 | ug/L  | 0.00097 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 335-77-3    |      |
| PFDoS                                                                | <0.00027 | ug/L  | 0.00097 | 0.00027 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 79780-39-5  |      |
| PFHpS                                                                | 0.0014   | ug/L  | 0.00097 | 0.00023 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 375-92-8    |      |
| PFNS                                                                 | <0.00023 | ug/L  | 0.00097 | 0.00023 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 68259-12-1  |      |
| PFOSA                                                                | <0.00023 | ug/L  | 0.00097 | 0.00023 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 754-91-6    |      |
| PFPeA                                                                | 0.0080   | ug/L  | 0.0019  | 0.00029 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 2706-90-3   |      |
| PFPeS                                                                | 0.0070   | ug/L  | 0.00097 | 0.00018 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 2706-91-4   |      |
| PFDoA                                                                | <0.00022 | ug/L  | 0.00097 | 0.00022 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 307-55-1    |      |
| PFHpA                                                                | 0.0013   | ug/L  | 0.00097 | 0.00021 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 375-85-9    |      |
| PFHxS                                                                | 0.073    | ug/L  | 0.00097 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 355-46-4    |      |
| PFNA                                                                 | <0.00023 | ug/L  | 0.00097 | 0.00023 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 375-95-1    |      |
| PFOS                                                                 | 0.025    | ug/L  | 0.00097 | 0.00017 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 1763-23-1   |      |
| PFOA                                                                 | 0.0017   | ug/L  | 0.00097 | 0.00033 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 335-67-1    |      |
| PFTeDA                                                               | <0.00028 | ug/L  | 0.00097 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 376-06-7    |      |
| PFTrDA                                                               | <0.00019 | ug/L  | 0.00097 | 0.00019 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 72629-94-8  |      |
| PFUnA                                                                | <0.00025 | ug/L  | 0.00097 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 10:52 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |         |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 76       | %.    | 10-130  |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |
| 13C3HFPO-DA (S)                                                      | 97       | %.    | 40-130  |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |
| 13C3-PFBS (S)                                                        | 101      | %.    | 40-135  |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |
| 13C3-PFHxS (S)                                                       | 99       | %.    | 40-130  |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |
| 13C4-PFBA (S)                                                        | 93       | %.    | 5-130   |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |
| 13C4-PFHpA (S)                                                       | 94       | %.    | 40-130  |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |
| 13C5-PFHxA (S)                                                       | 95       | %.    | 40-130  |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |
| 13C5-PFPeA (S)                                                       | 100      | %.    | 40-130  |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |
| 13C6-PFDA (S)                                                        | 91       | %.    | 40-130  |         | 1  | 12/18/24 08:45 | 12/19/24 10:52 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW2PDB-0-241205 Lab ID: 10718154002 Collected: 12/05/24 12:35 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 514.4 mL Final Volume/Weight: 5 mL            |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 95      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| 13C8-PFOS (S)                                                        | 95      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| 13C8-PFOSA (S)                                                       | 86      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| 13C9-PFNA (S)                                                        | 87      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| d3-MeFOSAA (S)                                                       | 75      | %.    | 40-170 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| d3-NMeFOSA (S)                                                       | 61      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| d5-EtFOSAA (S)                                                       | 73      | %.    | 25-135 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| d5-NEtFOSA (S)                                                       | 60      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| d7-NMeFOSE (S)                                                       | 74      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| d9-NEtFOSE (S)                                                       | 78      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| 13C2-PFTA (S)                                                        | 75      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| 13C7-PFUDa (S)                                                       | 84      | %.    | 30-130 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| 13C24:2FTS (S)                                                       | 124     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| 13C26:2FTS (S)                                                       | 112     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |
| 13C28:2FTS (S)                                                       | 124     | %.    | 40-300 |     | 1  | 12/18/24 08:45 | 12/19/24 10:52 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW3-0-241204 Lab ID: 10718154003 Collected: 12/04/24 11:50 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>6010D MET ICP</b>                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron                                                                 | 1920     | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:01 | 12/17/24 14:56 | 7439-89-6   |      |
| <b>6010D MET ICP, Dissolved</b>                                      |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron, Dissolved                                                      | <56.7    | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:06 | 12/18/24 15:25 | 7439-89-6   |      |
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 119.8 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11Cl-PF3OUdS                                                         | <0.0033  | ug/L  | 0.017  | 0.0033  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0020  | ug/L  | 0.017  | 0.0020  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0041  | ug/L  | 0.017  | 0.0041  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0044  | ug/L  | 0.017  | 0.0044  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 39108-34-4  |      |
| 9Cl-PF3ONS                                                           | <0.0034  | ug/L  | 0.017  | 0.0034  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 756426-58-1 |      |
| ADONA                                                                | <0.0024  | ug/L  | 0.017  | 0.0024  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0033  | ug/L  | 0.017  | 0.0033  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0015  | ug/L  | 0.0042 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.013   | ug/L  | 0.042  | 0.013   | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0013  | ug/L  | 0.0042 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.011   | ug/L  | 0.042  | 0.011   | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 24448-09-7  |      |
| PFBS                                                                 | 0.029    | ug/L  | 0.0042 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 375-73-5    |      |
| PFDA                                                                 | <0.00074 | ug/L  | 0.0042 | 0.00074 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 335-76-2    |      |
| PFHxA                                                                | 0.16     | ug/L  | 0.0042 | 0.00063 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 307-24-4    |      |
| PFBA                                                                 | 0.023    | ug/L  | 0.017  | 0.0026  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 375-22-4    |      |
| PFDS                                                                 | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 335-77-3    |      |
| PFDoS                                                                | <0.0012  | ug/L  | 0.0042 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 79780-39-5  |      |
| PFHpS                                                                | 0.063    | ug/L  | 0.0042 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 375-92-8    |      |
| PFNS                                                                 | <0.0010  | ug/L  | 0.0042 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 68259-12-1  |      |
| PFOSA                                                                | <0.00099 | ug/L  | 0.0042 | 0.00099 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 754-91-6    |      |
| PFPeA                                                                | 0.028    | ug/L  | 0.0083 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 2706-90-3   |      |
| PFPeS                                                                | 0.068    | ug/L  | 0.0042 | 0.00076 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 2706-91-4   |      |
| PFDoA                                                                | <0.00093 | ug/L  | 0.0042 | 0.00093 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 307-55-1    |      |
| PFHpA                                                                | 0.020    | ug/L  | 0.0042 | 0.00089 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 375-85-9    |      |
| PFHxS                                                                | 2.4      | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 355-46-4    |      |
| PFNA                                                                 | <0.00097 | ug/L  | 0.0042 | 0.00097 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 375-95-1    |      |
| PFOS                                                                 | 0.49     | ug/L  | 0.0042 | 0.00073 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 1763-23-1   |      |
| PFOA                                                                 | 1.9      | ug/L  | 0.0042 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 335-67-1    |      |
| PFTeDA                                                               | <0.0012  | ug/L  | 0.0042 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00083 | ug/L  | 0.0042 | 0.00083 | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 72629-94-8  |      |
| PFUnA                                                                | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:07 | 2058-94-8   |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW3-0-241204 Lab ID: 10718154003 Collected: 12/04/24 11:50 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 119.8 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                 |     |    |        |  |   |                |                |  |  |
|-----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C2-PFDoA (S)  | 94  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C3HFPO-DA (S) | 100 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C3-PFBS (S)   | 116 | %. | 40-135 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C3-PFHxS (S)  | 102 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C4-PFBA (S)   | 99  | %. | 5-130  |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C4-PFHpA (S)  | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C5-PFHxA (S)  | 98  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C5-PFPeA (S)  | 105 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C6-PFDA (S)   | 101 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C8-PFOA (S)   | 105 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C8-PFOS (S)   | 107 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C8-PFOSA (S)  | 96  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C9-PFNA (S)   | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| d3-MeFOSAA (S)  | 89  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| d3-NMeFOSA (S)  | 82  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| d5-EtFOSAA (S)  | 89  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| d5-NEtFOSA (S)  | 85  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| d7-NMeFOSE (S)  | 102 | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| d9-NEtFOSE (S)  | 108 | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C2-PFTA (S)   | 95  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C7-PFUDa (S)  | 100 | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C24:2FTS (S)  | 129 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C26:2FTS (S)  | 135 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |
| 13C28:2FTS (S)  | 127 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 11:07 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW3-DB-241204 Lab ID: 10718154004 Collected: 12/04/24 11:50 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>6010D MET ICP</b>                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron                                                                 | 2790     | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:01 | 12/17/24 15:03 | 7439-89-6   |      |
| <b>6010D MET ICP, Dissolved</b>                                      |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron, Dissolved                                                      | <56.7    | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:06 | 12/18/24 15:33 | 7439-89-6   |      |
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 118 mL Final Volume/Weight: 5 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11Cl-PF3OUdS                                                         | <0.0033  | ug/L  | 0.017  | 0.0033  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0020  | ug/L  | 0.017  | 0.0020  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0041  | ug/L  | 0.017  | 0.0041  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0044  | ug/L  | 0.017  | 0.0044  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 39108-34-4  |      |
| 9Cl-PF3ONS                                                           | <0.0035  | ug/L  | 0.017  | 0.0035  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 756426-58-1 |      |
| ADONA                                                                | <0.0025  | ug/L  | 0.017  | 0.0025  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0033  | ug/L  | 0.017  | 0.0033  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0015  | ug/L  | 0.0042 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.014   | ug/L  | 0.042  | 0.014   | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0014  | ug/L  | 0.0042 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.011   | ug/L  | 0.042  | 0.011   | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 24448-09-7  |      |
| PFBS                                                                 | 0.032    | ug/L  | 0.0042 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 375-73-5    |      |
| PFDA                                                                 | <0.00075 | ug/L  | 0.0042 | 0.00075 | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 335-76-2    |      |
| PFHxA                                                                | 0.18     | ug/L  | 0.0042 | 0.00064 | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 307-24-4    |      |
| PFBA                                                                 | 0.025    | ug/L  | 0.017  | 0.0026  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 375-22-4    |      |
| PFDS                                                                 | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 335-77-3    |      |
| PFDoS                                                                | <0.0012  | ug/L  | 0.0042 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 79780-39-5  |      |
| PFHpS                                                                | 0.076    | ug/L  | 0.0042 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 375-92-8    |      |
| PFNS                                                                 | <0.0010  | ug/L  | 0.0042 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 68259-12-1  |      |
| PFOSA                                                                | <0.0010  | ug/L  | 0.0042 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 754-91-6    |      |
| PFPeA                                                                | 0.031    | ug/L  | 0.0085 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 2706-90-3   |      |
| PFPeS                                                                | 0.077    | ug/L  | 0.0042 | 0.00077 | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 2706-91-4   |      |
| PFDoA                                                                | <0.00094 | ug/L  | 0.0042 | 0.00094 | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 307-55-1    |      |
| PFHpA                                                                | 0.023    | ug/L  | 0.0042 | 0.00090 | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 375-85-9    |      |
| PFHxS                                                                | 2.4      | ug/L  | 0.0085 | 0.0022  | 2  | 12/18/24 08:45 | 12/20/24 11:45 | 355-46-4    |      |
| PFNA                                                                 | <0.00099 | ug/L  | 0.0042 | 0.00099 | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 375-95-1    |      |
| PFOS                                                                 | 0.54     | ug/L  | 0.0042 | 0.00074 | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 1763-23-1   |      |
| PFOA                                                                 | 2.2      | ug/L  | 0.0042 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 335-67-1    |      |
| PFTeDA                                                               | <0.0012  | ug/L  | 0.0042 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00084 | ug/L  | 0.0042 | 0.00084 | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 72629-94-8  |      |
| PFUnA                                                                | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 11:23 | 2058-94-8   |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW3-DB-241204 Lab ID: 10718154004 Collected: 12/04/24 11:50 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 118 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                 |     |    |        |  |   |                |                |  |  |
|-----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C2-PFDoA (S)  | 88  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C3HFPO-DA (S) | 99  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C3-PFBS (S)   | 119 | %. | 40-135 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C3-PFHxS (S)  | 102 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C4-PFBA (S)   | 96  | %. | 5-130  |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C4-PFHpA (S)  | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C5-PFHxA (S)  | 96  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C5-PFPeA (S)  | 103 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C6-PFDA (S)   | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C8-PFOA (S)   | 96  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C8-PFOS (S)   | 99  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C8-PFOSA (S)  | 93  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C9-PFNA (S)   | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| d3-MeFOSAA (S)  | 86  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| d3-NMeFOSA (S)  | 77  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| d5-EtFOSAA (S)  | 87  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| d5-NEtFOSA (S)  | 79  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| d7-NMeFOSE (S)  | 95  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| d9-NEtFOSE (S)  | 100 | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C2-PFTA (S)   | 89  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C7-PFUDa (S)  | 94  | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C24:2FTS (S)  | 132 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C26:2FTS (S)  | 136 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |
| 13C28:2FTS (S)  | 126 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 11:23 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW4-0-241205 Lab ID: 10718154005 Collected: 12/05/24 09:30 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>6010D MET ICP</b>                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron                                                                 | 480      | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:01 | 12/17/24 15:07 | 7439-89-6   |      |
| <b>6010D MET ICP, Dissolved</b>                                      |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron, Dissolved                                                      | <56.7    | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:06 | 12/18/24 16:03 | 7439-89-6   |      |
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 120.4 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11Cl-PF3OUdS                                                         | <0.0032  | ug/L  | 0.017  | 0.0032  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0020  | ug/L  | 0.017  | 0.0020  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0041  | ug/L  | 0.017  | 0.0041  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0044  | ug/L  | 0.017  | 0.0044  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 39108-34-4  |      |
| 9Cl-PF3ONS                                                           | <0.0034  | ug/L  | 0.017  | 0.0034  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 756426-58-1 |      |
| ADONA                                                                | <0.0024  | ug/L  | 0.017  | 0.0024  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0032  | ug/L  | 0.017  | 0.0032  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0014  | ug/L  | 0.0042 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.013   | ug/L  | 0.042  | 0.013   | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0013  | ug/L  | 0.0042 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.011   | ug/L  | 0.042  | 0.011   | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 24448-09-7  |      |
| PFBS                                                                 | 0.019    | ug/L  | 0.0042 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 375-73-5    |      |
| PFDA                                                                 | <0.00074 | ug/L  | 0.0042 | 0.00074 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 335-76-2    |      |
| PFHxA                                                                | 0.066    | ug/L  | 0.0042 | 0.00063 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 307-24-4    |      |
| PFBA                                                                 | 0.019    | ug/L  | 0.017  | 0.0025  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 375-22-4    |      |
| PFDS                                                                 | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 335-77-3    |      |
| PFDoS                                                                | <0.0012  | ug/L  | 0.0042 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 79780-39-5  |      |
| PFHpS                                                                | 0.051    | ug/L  | 0.0042 | 0.00099 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 375-92-8    |      |
| PFNS                                                                 | <0.0010  | ug/L  | 0.0042 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 68259-12-1  |      |
| PFOSA                                                                | <0.00099 | ug/L  | 0.0042 | 0.00099 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 754-91-6    |      |
| PFPeA                                                                | 0.015    | ug/L  | 0.0083 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 2706-90-3   |      |
| PFPeS                                                                | 0.067    | ug/L  | 0.0042 | 0.00076 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 2706-91-4   |      |
| PFDoA                                                                | <0.00092 | ug/L  | 0.0042 | 0.00092 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 307-55-1    |      |
| PFHpA                                                                | 0.015    | ug/L  | 0.0042 | 0.00088 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 375-85-9    |      |
| PFHxS                                                                | 1.6      | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 355-46-4    |      |
| PFNA                                                                 | <0.00097 | ug/L  | 0.0042 | 0.00097 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 375-95-1    |      |
| PFOS                                                                 | 1.2      | ug/L  | 0.0042 | 0.00073 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 1763-23-1   |      |
| PFOA                                                                 | 0.21     | ug/L  | 0.0042 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 335-67-1    |      |
| PFTeDA                                                               | <0.0012  | ug/L  | 0.0042 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00082 | ug/L  | 0.0042 | 0.00082 | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 72629-94-8  |      |
| PFUnA                                                                | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:10 | 2058-94-8   |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW4-0-241205 Lab ID: 10718154005 Collected: 12/05/24 09:30 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 120.4 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                 |     |    |        |  |   |                |                |  |  |
|-----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C2-PFDoA (S)  | 90  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C3HFPO-DA (S) | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C3-PFBS (S)   | 111 | %. | 40-135 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C3-PFHxS (S)  | 99  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C4-PFBA (S)   | 96  | %. | 5-130  |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C4-PFHpA (S)  | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C5-PFHxA (S)  | 96  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C5-PFPeA (S)  | 102 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C6-PFDA (S)   | 96  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C8-PFOA (S)   | 100 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C8-PFOS (S)   | 103 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C8-PFOSA (S)  | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C9-PFNA (S)   | 94  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| d3-MeFOSAA (S)  | 84  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| d3-NMeFOSA (S)  | 81  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| d5-EtFOSAA (S)  | 84  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| d5-NEtFOSA (S)  | 80  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| d7-NMeFOSE (S)  | 100 | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| d9-NEtFOSE (S)  | 106 | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C2-PFTA (S)   | 90  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C7-PFUDa (S)  | 95  | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C24:2FTS (S)  | 124 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C26:2FTS (S)  | 130 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |
| 13C28:2FTS (S)  | 115 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 12:10 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW5-0-241204 Lab ID: 10718154006 Collected: 12/04/24 13:55 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>6010D MET ICP</b>                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron                                                                 | 847      | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:01 | 12/17/24 15:09 | 7439-89-6   |      |
| <b>6010D MET ICP, Dissolved</b>                                      |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron, Dissolved                                                      | <56.7    | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:06 | 12/18/24 16:04 | 7439-89-6   |      |
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 109.7 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11Cl-PF3OUdS                                                         | <0.0036  | ug/L  | 0.018  | 0.0036  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0022  | ug/L  | 0.018  | 0.0022  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0044  | ug/L  | 0.018  | 0.0044  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0048  | ug/L  | 0.018  | 0.0048  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 39108-34-4  |      |
| 9Cl-PF3ONS                                                           | <0.0038  | ug/L  | 0.018  | 0.0038  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 756426-58-1 |      |
| ADONA                                                                | <0.0027  | ug/L  | 0.018  | 0.0027  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0036  | ug/L  | 0.018  | 0.0036  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0016  | ug/L  | 0.0046 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0012  | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.015   | ug/L  | 0.046  | 0.015   | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0015  | ug/L  | 0.0046 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0012  | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.012   | ug/L  | 0.046  | 0.012   | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 24448-09-7  |      |
| PFBS                                                                 | 0.0031J  | ug/L  | 0.0046 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 375-73-5    |      |
| PFDA                                                                 | <0.00081 | ug/L  | 0.0046 | 0.00081 | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 335-76-2    |      |
| PFHxA                                                                | 0.0038J  | ug/L  | 0.0046 | 0.00069 | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 307-24-4    |      |
| PFBA                                                                 | 0.013J   | ug/L  | 0.018  | 0.0028  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 375-22-4    |      |
| PFDS                                                                 | <0.0012  | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 335-77-3    |      |
| PFDoS                                                                | <0.0013  | ug/L  | 0.0046 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 79780-39-5  |      |
| PFHpS                                                                | <0.0011  | ug/L  | 0.0046 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 375-92-8    |      |
| PFNS                                                                 | <0.0011  | ug/L  | 0.0046 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 68259-12-1  |      |
| PFOSA                                                                | <0.0011  | ug/L  | 0.0046 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 754-91-6    |      |
| PFPeA                                                                | 0.0026J  | ug/L  | 0.0091 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 2706-90-3   |      |
| PFPeS                                                                | 0.0024J  | ug/L  | 0.0046 | 0.00083 | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 2706-91-4   |      |
| PFDoA                                                                | <0.0010  | ug/L  | 0.0046 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 307-55-1    |      |
| PFHpA                                                                | <0.00097 | ug/L  | 0.0046 | 0.00097 | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 375-85-9    |      |
| PFHxS                                                                | 0.031    | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 355-46-4    |      |
| PFNA                                                                 | <0.0011  | ug/L  | 0.0046 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 375-95-1    |      |
| PFOS                                                                 | 0.022    | ug/L  | 0.0046 | 0.00080 | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 1763-23-1   |      |
| PFOA                                                                 | 0.0029J  | ug/L  | 0.0046 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 335-67-1    |      |
| PFTeDA                                                               | <0.0013  | ug/L  | 0.0046 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00090 | ug/L  | 0.0046 | 0.00090 | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 72629-94-8  |      |
| PFUnA                                                                | <0.0012  | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:25 | 2058-94-8   |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW5-0-241204 Lab ID: 10718154006 Collected: 12/04/24 13:55 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 109.7 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                 |     |    |        |  |   |                |                |  |  |
|-----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C2-PFDoA (S)  | 90  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C3HFPO-DA (S) | 96  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C3-PFBS (S)   | 104 | %. | 40-135 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C3-PFHxS (S)  | 101 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C4-PFBA (S)   | 95  | %. | 5-130  |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C4-PFHpA (S)  | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C5-PFHxA (S)  | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C5-PFPeA (S)  | 101 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C6-PFDA (S)   | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C8-PFOA (S)   | 101 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C8-PFOS (S)   | 102 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C8-PFOSA (S)  | 89  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C9-PFNA (S)   | 94  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| d3-MeFOSAA (S)  | 83  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| d3-NMeFOSA (S)  | 74  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| d5-EtFOSAA (S)  | 85  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| d5-NEtFOSA (S)  | 75  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| d7-NMeFOSE (S)  | 94  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| d9-NEtFOSE (S)  | 98  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C2-PFTA (S)   | 90  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C7-PFUDa (S)  | 94  | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C24:2FTS (S)  | 115 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C26:2FTS (S)  | 125 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |
| 13C28:2FTS (S)  | 110 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 12:25 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-GW-MW5PDB-0-241203 **Lab ID:** 10718154007 **Collected:** 12/03/24 08:20 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 452.1 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00086 | ug/L  | 0.0044 | 0.00086 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00053 | ug/L  | 0.0044 | 0.00053 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0011  | ug/L  | 0.0044 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0012  | ug/L  | 0.0044 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00091 | ug/L  | 0.0044 | 0.00091 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 756426-58-1 |      |
| ADONA                                                                | <0.00065 | ug/L  | 0.0044 | 0.00065 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00086 | ug/L  | 0.0044 | 0.00086 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00038 | ug/L  | 0.0011 | 0.00038 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0036  | ug/L  | 0.011  | 0.0036  | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00035 | ug/L  | 0.0011 | 0.00035 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00029 | ug/L  | 0.0011 | 0.00029 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0030  | ug/L  | 0.011  | 0.0030  | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 24448-09-7  |      |
| PFBS                                                                 | 0.011    | ug/L  | 0.0011 | 0.00035 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 375-73-5    |      |
| PFDA                                                                 | <0.00020 | ug/L  | 0.0011 | 0.00020 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 335-76-2    |      |
| PFHxA                                                                | 0.0051   | ug/L  | 0.0011 | 0.00017 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 307-24-4    |      |
| PFBA                                                                 | 0.049    | ug/L  | 0.0044 | 0.00068 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 375-22-4    |      |
| PFDS                                                                 | <0.00029 | ug/L  | 0.0011 | 0.00029 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 335-77-3    |      |
| PFDoS                                                                | <0.00031 | ug/L  | 0.0011 | 0.00031 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 79780-39-5  |      |
| PFHpS                                                                | 0.0017   | ug/L  | 0.0011 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 375-92-8    |      |
| PFNS                                                                 | <0.00027 | ug/L  | 0.0011 | 0.00027 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 68259-12-1  |      |
| PFOSA                                                                | <0.00026 | ug/L  | 0.0011 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 754-91-6    |      |
| PFPeA                                                                | 0.0063   | ug/L  | 0.0022 | 0.00033 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 2706-90-3   |      |
| PFPeS                                                                | 0.0070   | ug/L  | 0.0011 | 0.00020 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 2706-91-4   |      |
| PFDoA                                                                | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 307-55-1    |      |
| PFHpA                                                                | 0.0012   | ug/L  | 0.0011 | 0.00024 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 375-85-9    |      |
| PFHxS                                                                | 0.090    | ug/L  | 0.0011 | 0.00029 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 355-46-4    |      |
| PFNA                                                                 | <0.00026 | ug/L  | 0.0011 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 375-95-1    |      |
| PFOS                                                                 | 0.13     | ug/L  | 0.0011 | 0.00019 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 1763-23-1   |      |
| PFOA                                                                 | 0.014    | ug/L  | 0.0011 | 0.00038 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 335-67-1    |      |
| PFTeDA                                                               | <0.00032 | ug/L  | 0.0011 | 0.00032 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 376-06-7    |      |
| PFTrDA                                                               | <0.00022 | ug/L  | 0.0011 | 0.00022 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 72629-94-8  |      |
| PFUnA                                                                | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 12:41 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 74       | %     | 10-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |
| 13C3HFPO-DA (S)                                                      | 95       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |
| 13C3-PFBS (S)                                                        | 101      | %     | 40-135 |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |
| 13C3-PFHxS (S)                                                       | 96       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |
| 13C4-PFBA (S)                                                        | 94       | %     | 5-130  |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |
| 13C4-PFHpA (S)                                                       | 92       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |
| 13C5-PFHxA (S)                                                       | 93       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |
| 13C5-PFPeA (S)                                                       | 99       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |
| 13C6-PFDA (S)                                                        | 88       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:41 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW5PDB-0-241203 Lab ID: 10718154007 Collected: 12/03/24 08:20 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 452.1 mL Final Volume/Weight: 5 mL            |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 97      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| 13C8-PFOS (S)                                                        | 91      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| 13C8-PFOSA (S)                                                       | 78      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| 13C9-PFNA (S)                                                        | 87      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| d3-MeFOSAA (S)                                                       | 70      | %.    | 40-170 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| d3-NMeFOSA (S)                                                       | 56      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| d5-EtFOSAA (S)                                                       | 66      | %.    | 25-135 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| d5-NEtFOSA (S)                                                       | 55      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| d7-NMeFOSE (S)                                                       | 70      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| d9-NEtFOSE (S)                                                       | 75      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| 13C2-PFTA (S)                                                        | 73      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| 13C7-PFUDa (S)                                                       | 79      | %.    | 30-130 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| 13C24:2FTS (S)                                                       | 118     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| 13C26:2FTS (S)                                                       | 116     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |
| 13C28:2FTS (S)                                                       | 107     | %.    | 40-300 |     | 1  | 12/18/24 08:45 | 12/19/24 12:41 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW8-0-241205 Lab ID: 10718154008 Collected: 12/05/24 12:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 109 mL Final Volume/Weight: 5 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0036  | ug/L  | 0.018  | 0.0036  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0022  | ug/L  | 0.018  | 0.0022  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0045  | ug/L  | 0.018  | 0.0045  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0048  | ug/L  | 0.018  | 0.0048  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0038  | ug/L  | 0.018  | 0.0038  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 756426-58-1 |      |
| ADONA                                                                | <0.0027  | ug/L  | 0.018  | 0.0027  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0036  | ug/L  | 0.018  | 0.0036  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0016  | ug/L  | 0.0046 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0012  | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.015   | ug/L  | 0.046  | 0.015   | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0015  | ug/L  | 0.0046 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0012  | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.012   | ug/L  | 0.046  | 0.012   | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 24448-09-7  |      |
| PFBS                                                                 | 0.0052   | ug/L  | 0.0046 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 375-73-5    |      |
| PFDA                                                                 | <0.00082 | ug/L  | 0.0046 | 0.00082 | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 335-76-2    |      |
| PFHxA                                                                | <0.00069 | ug/L  | 0.0046 | 0.00069 | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 307-24-4    |      |
| PFBA                                                                 | 0.014J   | ug/L  | 0.018  | 0.0028  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 375-22-4    |      |
| PFDS                                                                 | <0.0012  | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 335-77-3    |      |
| PFDoS                                                                | <0.0013  | ug/L  | 0.0046 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 79780-39-5  |      |
| PFHpS                                                                | <0.0011  | ug/L  | 0.0046 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 375-92-8    |      |
| PFNS                                                                 | <0.0011  | ug/L  | 0.0046 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 68259-12-1  |      |
| PFOSA                                                                | <0.0011  | ug/L  | 0.0046 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 754-91-6    |      |
| PFPeA                                                                | 0.0015J  | ug/L  | 0.0092 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 2706-90-3   |      |
| PFPeS                                                                | 0.0023J  | ug/L  | 0.0046 | 0.00083 | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 2706-91-4   |      |
| PFDoA                                                                | <0.0010  | ug/L  | 0.0046 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 307-55-1    |      |
| PFHpA                                                                | <0.00098 | ug/L  | 0.0046 | 0.00098 | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 375-85-9    |      |
| PFHxS                                                                | 0.019    | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 355-46-4    |      |
| PFNA                                                                 | <0.0011  | ug/L  | 0.0046 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 375-95-1    |      |
| PFOS                                                                 | 0.0035J  | ug/L  | 0.0046 | 0.00080 | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 1763-23-1   |      |
| PFOA                                                                 | 0.0044J  | ug/L  | 0.0046 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 335-67-1    |      |
| PFTeDA                                                               | <0.0013  | ug/L  | 0.0046 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00091 | ug/L  | 0.0046 | 0.00091 | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 72629-94-8  |      |
| PFUnA                                                                | <0.0012  | ug/L  | 0.0046 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 12:57 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 93       | %.    | 10-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C3HFPO-DA (S)                                                      | 99       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C3-PFBS (S)                                                        | 108      | %.    | 40-135 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C3-PFHxS (S)                                                       | 104      | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C4-PFBA (S)                                                        | 96       | %.    | 5-130  |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C4-PFHpA (S)                                                       | 95       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C5-PFHxS (S)                                                       | 97       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C5-PFPeA (S)                                                       | 103      | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C6-PFDA (S)                                                        | 96       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |
| 13C8-PFOA (S)                                                        | 99       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 12:57 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW8-0-241205 Lab ID: 10718154008 Collected: 12/05/24 12:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 109 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| 13C8-PFOSA (S) | 89  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| 13C9-PFNA (S)  | 94  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| d3-MeFOSAA (S) | 83  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| d3-NMeFOSA (S) | 73  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| d5-EtFOSAA (S) | 81  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| d5-NEtFOSA (S) | 74  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| d7-NMeFOSE (S) | 92  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| d9-NEtFOSE (S) | 98  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| 13C2-PFTA (S)  | 92  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| 13C7-PFUDa (S) | 97  | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| 13C24:2FTS (S) | 118 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| 13C26:2FTS (S) | 126 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |
| 13C28:2FTS (S) | 113 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 12:57 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW9-0-241204 Lab ID: 10718154009 Collected: 12/04/24 10:20 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 481.6 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00081 | ug/L  | 0.0042 | 0.00081 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00050 | ug/L  | 0.0042 | 0.00050 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0010  | ug/L  | 0.0042 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00085 | ug/L  | 0.0042 | 0.00085 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 756426-58-1 |      |
| ADONA                                                                | <0.00061 | ug/L  | 0.0042 | 0.00061 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00081 | ug/L  | 0.0042 | 0.00081 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00036 | ug/L  | 0.0010 | 0.00036 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00027 | ug/L  | 0.0010 | 0.00027 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0033  | ug/L  | 0.010  | 0.0033  | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00033 | ug/L  | 0.0010 | 0.00033 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00028 | ug/L  | 0.0010 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0028  | ug/L  | 0.010  | 0.0028  | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 24448-09-7  |      |
| PFBS                                                                 | 0.00059J | ug/L  | 0.0010 | 0.00033 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 375-73-5    |      |
| PFDA                                                                 | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 335-76-2    |      |
| PFHxA                                                                | 0.00069J | ug/L  | 0.0010 | 0.00016 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 307-24-4    |      |
| PFBA                                                                 | 0.0053   | ug/L  | 0.0042 | 0.00064 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 375-22-4    |      |
| PFDS                                                                 | <0.00028 | ug/L  | 0.0010 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 335-77-3    |      |
| PFDoS                                                                | <0.00029 | ug/L  | 0.0010 | 0.00029 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 79780-39-5  |      |
| PFHpS                                                                | <0.00025 | ug/L  | 0.0010 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 375-92-8    |      |
| PFNS                                                                 | <0.00025 | ug/L  | 0.0010 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 68259-12-1  |      |
| PFOSA                                                                | <0.00025 | ug/L  | 0.0010 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 754-91-6    |      |
| PFPeA                                                                | 0.00060J | ug/L  | 0.0021 | 0.00031 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 2706-90-3   |      |
| PFPeS                                                                | <0.00019 | ug/L  | 0.0010 | 0.00019 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 2706-91-4   |      |
| PFDaA                                                                | <0.00023 | ug/L  | 0.0010 | 0.00023 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 307-55-1    |      |
| PFHpA                                                                | <0.00022 | ug/L  | 0.0010 | 0.00022 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 375-85-9    |      |
| PFHxS                                                                | 0.00077J | ug/L  | 0.0010 | 0.00027 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 355-46-4    |      |
| PFNA                                                                 | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 375-95-1    |      |
| PFOS                                                                 | 0.00094J | ug/L  | 0.0010 | 0.00018 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 1763-23-1   |      |
| PFOA                                                                 | <0.00036 | ug/L  | 0.0010 | 0.00036 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 335-67-1    |      |
| PFTeDA                                                               | <0.00030 | ug/L  | 0.0010 | 0.00030 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00021 | ug/L  | 0.0010 | 0.00021 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 72629-94-8  |      |
| PFUnA                                                                | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 13:12 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 93       | %.    | 10-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C3HFPO-DA (S)                                                      | 99       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C3-PFBS (S)                                                        | 102      | %.    | 40-135 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C3-PFHxS (S)                                                       | 101      | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C4-PFBA (S)                                                        | 95       | %.    | 5-130  |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C4-PFHpA (S)                                                       | 95       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C5-PFHxA (S)                                                       | 96       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C5-PFPeA (S)                                                       | 102      | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C6-PFDA (S)                                                        | 100      | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |
| 13C8-PFOA (S)                                                        | 97       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:12 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW9-0-241204 Lab ID: 10718154009 Collected: 12/04/24 10:20 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 481.6 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |
|----------------|-----|----|--------|--|---|----------------|----------------|
| 13C8-PFOS (S)  | 105 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| 13C8-PFOSA (S) | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| 13C9-PFNA (S)  | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| d3-MeFOSAA (S) | 90  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| d3-NMeFOSA (S) | 75  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| d5-EtFOSAA (S) | 90  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| d5-NEtFOSA (S) | 73  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| d7-NMeFOSE (S) | 96  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| d9-NEtFOSE (S) | 101 | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| 13C2-PFTA (S)  | 91  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| 13C7-PFUDa (S) | 98  | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| 13C24:2FTS (S) | 112 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| 13C26:2FTS (S) | 116 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |
| 13C28:2FTS (S) | 108 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 13:12 |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-GW-MW9PDB-0-241204 **Lab ID:** 10718154010 **Collected:** 12/04/24 09:15 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 473.7 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00082 | ug/L  | 0.0042 | 0.00082 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00051 | ug/L  | 0.0042 | 0.00051 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0010  | ug/L  | 0.0042 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00087 | ug/L  | 0.0042 | 0.00087 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 756426-58-1 |      |
| ADONA                                                                | <0.00062 | ug/L  | 0.0042 | 0.00062 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00082 | ug/L  | 0.0042 | 0.00082 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00037 | ug/L  | 0.0011 | 0.00037 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00027 | ug/L  | 0.0011 | 0.00027 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0034  | ug/L  | 0.011  | 0.0034  | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00034 | ug/L  | 0.0011 | 0.00034 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0028  | ug/L  | 0.011  | 0.0028  | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 24448-09-7  |      |
| PFBS                                                                 | 0.0026   | ug/L  | 0.0011 | 0.00034 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 375-73-5    |      |
| PFDA                                                                 | <0.00019 | ug/L  | 0.0011 | 0.00019 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 335-76-2    |      |
| PFHxA                                                                | 0.0010J  | ug/L  | 0.0011 | 0.00016 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 307-24-4    |      |
| PFBA                                                                 | 0.0074   | ug/L  | 0.0042 | 0.00065 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 375-22-4    |      |
| PFDS                                                                 | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 335-77-3    |      |
| PFDoS                                                                | <0.00029 | ug/L  | 0.0011 | 0.00029 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 79780-39-5  |      |
| PFHpS                                                                | 0.00049J | ug/L  | 0.0011 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 375-92-8    |      |
| PFNS                                                                 | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 68259-12-1  |      |
| PFOSA                                                                | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 754-91-6    |      |
| PFPeA                                                                | 0.00065J | ug/L  | 0.0021 | 0.00032 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 2706-90-3   |      |
| PFPeS                                                                | 0.0013   | ug/L  | 0.0011 | 0.00019 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 2706-91-4   |      |
| PFDoA                                                                | <0.00023 | ug/L  | 0.0011 | 0.00023 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 307-55-1    |      |
| PFHpA                                                                | <0.00022 | ug/L  | 0.0011 | 0.00022 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 375-85-9    |      |
| PFHxS                                                                | 0.013    | ug/L  | 0.0011 | 0.00027 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 355-46-4    |      |
| PFNA                                                                 | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 375-95-1    |      |
| PFOS                                                                 | 0.020    | ug/L  | 0.0011 | 0.00018 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 1763-23-1   |      |
| PFOA                                                                 | 0.00049J | ug/L  | 0.0011 | 0.00036 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 335-67-1    |      |
| PFTeDA                                                               | <0.00030 | ug/L  | 0.0011 | 0.00030 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00021 | ug/L  | 0.0011 | 0.00021 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 72629-94-8  |      |
| PFUnA                                                                | <0.00027 | ug/L  | 0.0011 | 0.00027 | 1  | 12/18/24 08:45 | 12/19/24 13:28 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 85       | %     | 10-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |
| 13C3HFPO-DA (S)                                                      | 96       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |
| 13C3-PFBS (S)                                                        | 108      | %     | 40-135 |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |
| 13C3-PFHxS (S)                                                       | 102      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |
| 13C4-PFBA (S)                                                        | 94       | %     | 5-130  |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |
| 13C4-PFHpA (S)                                                       | 92       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |
| 13C5-PFHxA (S)                                                       | 94       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |
| 13C5-PFPeA (S)                                                       | 99       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |
| 13C6-PFDA (S)                                                        | 94       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:28 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW9PDB-0-241204 Lab ID: 10718154010 Collected: 12/04/24 09:15 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 473.7 mL Final Volume/Weight: 5 mL            |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 93      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| 13C8-PFOS (S)                                                        | 98      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| 13C8-PFOSA (S)                                                       | 86      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| 13C9-PFNA (S)                                                        | 93      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| d3-MeFOSAA (S)                                                       | 83      | %.    | 40-170 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| d3-NMeFOSA (S)                                                       | 70      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| d5-EtFOSAA (S)                                                       | 80      | %.    | 25-135 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| d5-NEtFOSA (S)                                                       | 72      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| d7-NMeFOSE (S)                                                       | 86      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| d9-NEtFOSE (S)                                                       | 91      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| 13C2-PFTA (S)                                                        | 83      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| 13C7-PFUDa (S)                                                       | 88      | %.    | 30-130 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| 13C24:2FTS (S)                                                       | 118     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| 13C26:2FTS (S)                                                       | 126     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |
| 13C28:2FTS (S)                                                       | 117     | %.    | 40-300 |     | 1  | 12/18/24 08:45 | 12/19/24 13:28 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW11-0-241205 Lab ID: 10718154011 Collected: 12/05/24 10:40 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>6010D MET ICP</b>                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron                                                                 | 2400     | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:01 | 12/17/24 15:15 | 7439-89-6   |      |
| <b>6010D MET ICP, Dissolved</b>                                      |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A           |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Green Bay                                 |          |       |        |         |    |                |                |             |      |
| Iron, Dissolved                                                      | <56.7    | ug/L  | 100    | 56.7    | 1  | 12/16/24 10:06 | 12/18/24 16:06 | 7439-89-6   |      |
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 107.5 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11Cl-PF3OUdS                                                         | <0.0036  | ug/L  | 0.019  | 0.0036  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0022  | ug/L  | 0.019  | 0.0022  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0045  | ug/L  | 0.019  | 0.0045  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0049  | ug/L  | 0.019  | 0.0049  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 39108-34-4  |      |
| 9Cl-PF3ONS                                                           | <0.0038  | ug/L  | 0.019  | 0.0038  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 756426-58-1 |      |
| ADONA                                                                | <0.0027  | ug/L  | 0.019  | 0.0027  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0036  | ug/L  | 0.019  | 0.0036  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0016  | ug/L  | 0.0047 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0012  | ug/L  | 0.0047 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.015   | ug/L  | 0.047  | 0.015   | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0015  | ug/L  | 0.0047 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0012  | ug/L  | 0.0047 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.012   | ug/L  | 0.047  | 0.012   | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 24448-09-7  |      |
| PFBS                                                                 | <0.0015  | ug/L  | 0.0047 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 375-73-5    |      |
| PFDA                                                                 | <0.00083 | ug/L  | 0.0047 | 0.00083 | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 335-76-2    |      |
| PFHxA                                                                | <0.00070 | ug/L  | 0.0047 | 0.00070 | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 307-24-4    |      |
| PFBA                                                                 | 0.014J   | ug/L  | 0.019  | 0.0029  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 375-22-4    |      |
| PFDS                                                                 | <0.0012  | ug/L  | 0.0047 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 335-77-3    |      |
| PFDoS                                                                | <0.0013  | ug/L  | 0.0047 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 79780-39-5  |      |
| PFHpS                                                                | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 375-92-8    |      |
| PFNS                                                                 | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 68259-12-1  |      |
| PFOSA                                                                | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 754-91-6    |      |
| PFPeA                                                                | <0.0014  | ug/L  | 0.0093 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 2706-90-3   |      |
| PFPeS                                                                | <0.00085 | ug/L  | 0.0047 | 0.00085 | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 2706-91-4   |      |
| PFDoA                                                                | <0.0010  | ug/L  | 0.0047 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 307-55-1    |      |
| PFHpA                                                                | <0.00099 | ug/L  | 0.0047 | 0.00099 | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 375-85-9    |      |
| PFHxS                                                                | <0.0012  | ug/L  | 0.0047 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 355-46-4    |      |
| PFNA                                                                 | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 375-95-1    |      |
| PFOS                                                                 | 0.0054   | ug/L  | 0.0047 | 0.00081 | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 1763-23-1   |      |
| PFOA                                                                 | <0.0016  | ug/L  | 0.0047 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 335-67-1    |      |
| PFTeDA                                                               | <0.0013  | ug/L  | 0.0047 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00092 | ug/L  | 0.0047 | 0.00092 | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 72629-94-8  |      |
| PFUnA                                                                | <0.0012  | ug/L  | 0.0047 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 13:44 | 2058-94-8   |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-MW11-0-241205 Lab ID: 10718154011 Collected: 12/05/24 10:40 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 107.5 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                 |     |    |        |  |   |                |                |
|-----------------|-----|----|--------|--|---|----------------|----------------|
| 13C2-PFDoA (S)  | 88  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C3HFPO-DA (S) | 96  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C3-PFBS (S)   | 104 | %. | 40-135 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C3-PFHxS (S)  | 100 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C4-PFBA (S)   | 92  | %. | 5-130  |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C4-PFHpA (S)  | 92  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C5-PFHxA (S)  | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C5-PFPeA (S)  | 100 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C6-PFDA (S)   | 95  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C8-PFOA (S)   | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C8-PFOS (S)   | 100 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C8-PFOSA (S)  | 89  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C9-PFNA (S)   | 92  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| d3-MeFOSAA (S)  | 83  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| d3-NMeFOSA (S)  | 70  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| d5-EtFOSAA (S)  | 83  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| d5-NEtFOSA (S)  | 70  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| d7-NMeFOSE (S)  | 92  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| d9-NEtFOSE (S)  | 98  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C2-PFTA (S)   | 86  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C7-PFUDa (S)  | 94  | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C24:2FTS (S)  | 113 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C26:2FTS (S)  | 122 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |
| 13C28:2FTS (S)  | 106 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 13:44 |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-GW-MW11PDB-0-241205 **Lab ID:** 10718154012 **Collected:** 12/05/24 10:10 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 459.3 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00085 | ug/L  | 0.0044 | 0.00085 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00052 | ug/L  | 0.0044 | 0.00052 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0011  | ug/L  | 0.0044 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0044 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00090 | ug/L  | 0.0044 | 0.00090 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 756426-58-1 |      |
| ADONA                                                                | <0.00064 | ug/L  | 0.0044 | 0.00064 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00085 | ug/L  | 0.0044 | 0.00085 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00038 | ug/L  | 0.0011 | 0.00038 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0035  | ug/L  | 0.011  | 0.0035  | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00035 | ug/L  | 0.0011 | 0.00035 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00029 | ug/L  | 0.0011 | 0.00029 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0029  | ug/L  | 0.011  | 0.0029  | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 24448-09-7  |      |
| PFBS                                                                 | 0.00070J | ug/L  | 0.0011 | 0.00035 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 375-73-5    |      |
| PFDA                                                                 | <0.00019 | ug/L  | 0.0011 | 0.00019 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 335-76-2    |      |
| PFHxA                                                                | <0.00016 | ug/L  | 0.0011 | 0.00016 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 307-24-4    |      |
| PFBA                                                                 | 0.021    | ug/L  | 0.0044 | 0.00067 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 375-22-4    |      |
| PFDS                                                                 | <0.00029 | ug/L  | 0.0011 | 0.00029 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 335-77-3    |      |
| PFDoS                                                                | <0.00030 | ug/L  | 0.0011 | 0.00030 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 79780-39-5  |      |
| PFHpS                                                                | <0.00026 | ug/L  | 0.0011 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 375-92-8    |      |
| PFNS                                                                 | <0.00026 | ug/L  | 0.0011 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 68259-12-1  |      |
| PFOSA                                                                | 0.00030J | ug/L  | 0.0011 | 0.00026 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 754-91-6    |      |
| PFPeA                                                                | 0.00045J | ug/L  | 0.0022 | 0.00033 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 2706-90-3   |      |
| PFPeS                                                                | 0.00033J | ug/L  | 0.0011 | 0.00020 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 2706-91-4   |      |
| PFDoA                                                                | <0.00024 | ug/L  | 0.0011 | 0.00024 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 307-55-1    |      |
| PFHpA                                                                | <0.00023 | ug/L  | 0.0011 | 0.00023 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 375-85-9    |      |
| PFHxS                                                                | 0.00047J | ug/L  | 0.0011 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 355-46-4    |      |
| PFNA                                                                 | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 375-95-1    |      |
| PFOS                                                                 | <0.00019 | ug/L  | 0.0011 | 0.00019 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 1763-23-1   |      |
| PFOA                                                                 | <0.00037 | ug/L  | 0.0011 | 0.00037 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 335-67-1    |      |
| PFTeDA                                                               | <0.00031 | ug/L  | 0.0011 | 0.00031 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00022 | ug/L  | 0.0011 | 0.00022 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 72629-94-8  |      |
| PFUnA                                                                | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/18/24 08:45 | 12/19/24 13:59 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 80       | %.    | 10-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |
| 13C3HFPO-DA (S)                                                      | 101      | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |
| 13C3-PFBS (S)                                                        | 107      | %.    | 40-135 |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |
| 13C3-PFHxS (S)                                                       | 106      | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |
| 13C4-PFBA (S)                                                        | 96       | %.    | 5-130  |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |
| 13C4-PFHpA (S)                                                       | 96       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |
| 13C5-PFHxA (S)                                                       | 97       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |
| 13C5-PFPeA (S)                                                       | 102      | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |
| 13C6-PFDA (S)                                                        | 97       | %.    | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 13:59 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

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**Sample:** MEWI-GW-MW11PDB-0-241205    **Lab ID:** 10718154012    Collected: 12/05/24 10:10    Received: 12/09/24 08:50    Matrix: Water

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| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

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**EPA 1633 DRAFT Water**

Analytical Method: EPA 1633 DRAFT    Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 459.3 mL    Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

**Surrogates**

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOA (S)  | 102 | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| 13C8-PFOS (S)  | 97  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| 13C8-PFOSA (S) | 88  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| 13C9-PFNA (S)  | 91  | %. | 40-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| d3-MeFOSAA (S) | 80  | %. | 40-170 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| d3-NMeFOSA (S) | 63  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| d5-EtFOSAA (S) | 75  | %. | 25-135 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| d5-NEtFOSA (S) | 62  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| d7-NMeFOSE (S) | 80  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| d9-NEtFOSE (S) | 85  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| 13C2-PFTA (S)  | 78  | %. | 10-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| 13C7-PFUDa (S) | 90  | %. | 30-130 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| 13C24:2FTS (S) | 115 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| 13C26:2FTS (S) | 123 | %. | 40-200 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |
| 13C28:2FTS (S) | 125 | %. | 40-300 |  | 1 | 12/18/24 08:45 | 12/19/24 13:59 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ2-0-241203 Lab ID: 10718154013 Collected: 12/03/24 16:25 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 101.9 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0038  | ug/L  | 0.020  | 0.0038  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0024  | ug/L  | 0.020  | 0.0024  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0048  | ug/L  | 0.020  | 0.0048  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0052  | ug/L  | 0.020  | 0.0052  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0040  | ug/L  | 0.020  | 0.0040  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 756426-58-1 |      |
| ADONA                                                                | <0.0029  | ug/L  | 0.020  | 0.0029  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0038  | ug/L  | 0.020  | 0.0038  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0017  | ug/L  | 0.0049 | 0.0017  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0013  | ug/L  | 0.0049 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.016   | ug/L  | 0.049  | 0.016   | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0016  | ug/L  | 0.0049 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0013  | ug/L  | 0.0049 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.013   | ug/L  | 0.049  | 0.013   | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 24448-09-7  |      |
| PFBS                                                                 | 0.028    | ug/L  | 0.0049 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 375-73-5    |      |
| PFDA                                                                 | <0.00087 | ug/L  | 0.0049 | 0.00087 | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 335-76-2    |      |
| PFHxA                                                                | 0.091    | ug/L  | 0.0049 | 0.00074 | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 307-24-4    |      |
| PFBA                                                                 | 0.033    | ug/L  | 0.020  | 0.0030  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 375-22-4    |      |
| PFDS                                                                 | <0.0013  | ug/L  | 0.0049 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 335-77-3    |      |
| PFDoS                                                                | <0.0014  | ug/L  | 0.0049 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 79780-39-5  |      |
| PFHpS                                                                | 0.029    | ug/L  | 0.0049 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 375-92-8    |      |
| PFNS                                                                 | <0.0012  | ug/L  | 0.0049 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 68259-12-1  |      |
| PFOSA                                                                | <0.0012  | ug/L  | 0.0049 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 754-91-6    |      |
| PFPeA                                                                | 0.025    | ug/L  | 0.0098 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 2706-90-3   |      |
| PFPeS                                                                | 0.10     | ug/L  | 0.0049 | 0.00089 | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 2706-91-4   |      |
| PFDoA                                                                | <0.0011  | ug/L  | 0.0049 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 307-55-1    |      |
| PFHpA                                                                | 0.015    | ug/L  | 0.0049 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 375-85-9    |      |
| PFHxS                                                                | 1.3      | ug/L  | 0.0049 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 355-46-4    |      |
| PFNA                                                                 | <0.0011  | ug/L  | 0.0049 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 375-95-1    |      |
| PFOS                                                                 | 0.13     | ug/L  | 0.0049 | 0.00086 | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 1763-23-1   |      |
| PFOA                                                                 | 0.10     | ug/L  | 0.0049 | 0.0017  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 335-67-1    |      |
| PFTeDA                                                               | <0.0014  | ug/L  | 0.0049 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00097 | ug/L  | 0.0049 | 0.00097 | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 72629-94-8  |      |
| PFUnA                                                                | <0.0012  | ug/L  | 0.0049 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 14:15 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 86       | %     | 10-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C3HFPO-DA (S)                                                      | 97       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C3-PFBS (S)                                                        | 107      | %     | 40-135 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C3-PFHxS (S)                                                       | 97       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C4-PFBA (S)                                                        | 93       | %     | 5-130  |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C4-PFHpA (S)                                                       | 93       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C5-PFHxA (S)                                                       | 93       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C5-PFPeA (S)                                                       | 100      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C6-PFDA (S)                                                        | 93       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |
| 13C8-PFOA (S)                                                        | 98       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:15 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ2-0-241203 Lab ID: 10718154013 Collected: 12/03/24 16:25 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|-----------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |           |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |           |      |
| Initial Volume/Weight: 101.9 mL Final Volume/Weight: 5 mL            |         |       |        |     |    |                |                |           |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |           |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |           |      |
| 13C8-PFOS (S)                                                        | 96      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| 13C8-PFOA (S)                                                        | 88      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| 13C9-PFNA (S)                                                        | 91      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| d3-MeFOSAA (S)                                                       | 80      | %.    | 40-170 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| d3-NMeFOSA (S)                                                       | 66      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| d5-EtFOSAA (S)                                                       | 80      | %.    | 25-135 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| d5-NEtFOSA (S)                                                       | 68      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| d7-NMeFOSE (S)                                                       | 88      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| d9-NEtFOSE (S)                                                       | 92      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| 13C2-PFTA (S)                                                        | 85      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| 13C7-PFUDa (S)                                                       | 89      | %.    | 30-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| 13C24:2FTS (S)                                                       | 122     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| 13C26:2FTS (S)                                                       | 130     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| 13C28:2FTS (S)                                                       | 114     | %.    | 40-300 |     | 1  | 12/18/24 08:45 | 12/19/24 14:15 |           |      |
| <b>5310C TOC</b>                                                     |         |       |        |     |    |                |                |           |      |
| Analytical Method: SM 5310C                                          |         |       |        |     |    |                |                |           |      |
| Initial Volume/Weight: 20 mL Final Volume/Weight: 20 mL              |         |       |        |     |    |                |                |           |      |
| Pace Analytical Services - Green Bay                                 |         |       |        |     |    |                |                |           |      |
| Total Organic Carbon                                                 | 1220    | ug/L  | 500    | 190 | 1  |                | 12/16/24 05:35 | 7440-44-0 |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3-0-241203 Lab ID: 10718154014 Collected: 12/03/24 14:35 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 104.9 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0037  | ug/L  | 0.019  | 0.0037  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0023  | ug/L  | 0.019  | 0.0023  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0047  | ug/L  | 0.019  | 0.0047  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0050  | ug/L  | 0.019  | 0.0050  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0039  | ug/L  | 0.019  | 0.0039  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 756426-58-1 |      |
| ADONA                                                                | <0.0028  | ug/L  | 0.019  | 0.0028  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0037  | ug/L  | 0.019  | 0.0037  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0017  | ug/L  | 0.0048 | 0.0017  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0012  | ug/L  | 0.0048 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.015   | ug/L  | 0.048  | 0.015   | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0015  | ug/L  | 0.0048 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0013  | ug/L  | 0.0048 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.013   | ug/L  | 0.048  | 0.013   | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 24448-09-7  |      |
| PFBS                                                                 | 0.28     | ug/L  | 0.0048 | 0.0015  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 375-73-5    |      |
| PFDA                                                                 | <0.00085 | ug/L  | 0.0048 | 0.00085 | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 335-76-2    |      |
| PFHxA                                                                | 0.47     | ug/L  | 0.0048 | 0.00072 | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 307-24-4    |      |
| PFBA                                                                 | 0.070    | ug/L  | 0.019  | 0.0029  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 375-22-4    |      |
| PFDS                                                                 | <0.0013  | ug/L  | 0.0048 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 335-77-3    |      |
| PFDoS                                                                | <0.0013  | ug/L  | 0.0048 | 0.0013  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 79780-39-5  |      |
| PFHpS                                                                | 0.085    | ug/L  | 0.0048 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 375-92-8    |      |
| PFNS                                                                 | <0.0011  | ug/L  | 0.0048 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 68259-12-1  |      |
| PFOSA                                                                | <0.0011  | ug/L  | 0.0048 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 754-91-6    |      |
| PFPeA                                                                | 0.091    | ug/L  | 0.0095 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 2706-90-3   |      |
| PFPeS                                                                | 0.56     | ug/L  | 0.0048 | 0.00087 | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 2706-91-4   |      |
| PFDaA                                                                | <0.0011  | ug/L  | 0.0048 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 307-55-1    |      |
| PFHpA                                                                | 0.081    | ug/L  | 0.0048 | 0.0010  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 375-85-9    |      |
| PFHxS                                                                | 4.1      | ug/L  | 0.024  | 0.0062  | 5  | 12/18/24 08:45 | 12/20/24 12:01 | 355-46-4    |      |
| PFNA                                                                 | <0.0011  | ug/L  | 0.0048 | 0.0011  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 375-95-1    |      |
| PFOS                                                                 | 4.7      | ug/L  | 0.024  | 0.0042  | 5  | 12/18/24 08:45 | 12/20/24 12:01 | 1763-23-1   |      |
| PFOA                                                                 | 0.22     | ug/L  | 0.0048 | 0.0016  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 335-67-1    |      |
| PFTeDA                                                               | <0.0014  | ug/L  | 0.0048 | 0.0014  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00094 | ug/L  | 0.0048 | 0.00094 | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 72629-94-8  |      |
| PFUnA                                                                | <0.0012  | ug/L  | 0.0048 | 0.0012  | 1  | 12/18/24 08:45 | 12/19/24 14:31 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 94       | %     | 10-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C3HFPO-DA (S)                                                      | 100      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C3-PFBS (S)                                                        | 122      | %     | 40-135 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C3-PFHxS (S)                                                       | 102      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C4-PFBA (S)                                                        | 98       | %     | 5-130  |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C4-PFHpA (S)                                                       | 100      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C5-PFHxA (S)                                                       | 98       | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C5-PFPeA (S)                                                       | 104      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C6-PFDA (S)                                                        | 100      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |
| 13C8-PFOA (S)                                                        | 105      | %     | 40-130 |         | 1  | 12/18/24 08:45 | 12/19/24 14:31 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-GW-PZ3-0-241203 **Lab ID:** 10718154014 Collected: 12/03/24 14:35 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|-----------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |           |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |           |      |
| Initial Volume/Weight: 104.9 mL Final Volume/Weight: 5 mL            |         |       |        |     |    |                |                |           |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |           |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |           |      |
| 13C8-PFOS (S)                                                        | 102     | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| 13C8-PFOA (S)                                                        | 99      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| 13C9-PFNA (S)                                                        | 97      | %.    | 40-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| d3-MeFOSAA (S)                                                       | 77      | %.    | 40-170 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| d3-NMeFOSA (S)                                                       | 79      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| d5-EtFOSAA (S)                                                       | 82      | %.    | 25-135 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| d5-NEtFOSA (S)                                                       | 81      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| d7-NMeFOSE (S)                                                       | 101     | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| d9-NEtFOSE (S)                                                       | 102     | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| 13C2-PFTA (S)                                                        | 94      | %.    | 10-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| 13C7-PFUDa (S)                                                       | 97      | %.    | 30-130 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| 13C24:2FTS (S)                                                       | 138     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| 13C26:2FTS (S)                                                       | 146     | %.    | 40-200 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| 13C28:2FTS (S)                                                       | 127     | %.    | 40-300 |     | 1  | 12/18/24 08:45 | 12/19/24 14:31 |           |      |
| <b>5310C TOC</b>                                                     |         |       |        |     |    |                |                |           |      |
| Analytical Method: SM 5310C                                          |         |       |        |     |    |                |                |           |      |
| Initial Volume/Weight: 20 mL Final Volume/Weight: 20 mL              |         |       |        |     |    |                |                |           |      |
| Pace Analytical Services - Green Bay                                 |         |       |        |     |    |                |                |           |      |
| Total Organic Carbon                                                 | 1570    | ug/L  | 500    | 190 | 1  |                | 12/16/24 05:52 | 7440-44-0 |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3-DB-241203 Lab ID: 10718154015 Collected: 12/03/24 14:35 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 472.3 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00082 | ug/L  | 0.0042 | 0.00082 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00051 | ug/L  | 0.0042 | 0.00051 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0010  | ug/L  | 0.0042 | 0.0010  | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0042 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00087 | ug/L  | 0.0042 | 0.00087 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 756426-58-1 |      |
| ADONA                                                                | <0.00062 | ug/L  | 0.0042 | 0.00062 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00082 | ug/L  | 0.0042 | 0.00082 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00037 | ug/L  | 0.0011 | 0.00037 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00027 | ug/L  | 0.0011 | 0.00027 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0034  | ug/L  | 0.011  | 0.0034  | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00034 | ug/L  | 0.0011 | 0.00034 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0028  | ug/L  | 0.011  | 0.0028  | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 24448-09-7  |      |
| PFBS                                                                 | 0.27     | ug/L  | 0.0011 | 0.00034 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 375-73-5    |      |
| PFDA                                                                 | <0.00019 | ug/L  | 0.0011 | 0.00019 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 335-76-2    |      |
| PFHxA                                                                | 0.45     | ug/L  | 0.0011 | 0.00016 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 307-24-4    |      |
| PFBA                                                                 | 0.068    | ug/L  | 0.0042 | 0.00065 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 375-22-4    |      |
| PFDS                                                                 | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 335-77-3    |      |
| PFDoS                                                                | <0.00029 | ug/L  | 0.0011 | 0.00029 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 79780-39-5  |      |
| PFHpS                                                                | 0.10     | ug/L  | 0.0011 | 0.00025 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 375-92-8    |      |
| PFNS                                                                 | <0.00026 | ug/L  | 0.0011 | 0.00026 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 68259-12-1  |      |
| PFOSA                                                                | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 754-91-6    |      |
| PFPeA                                                                | 0.088    | ug/L  | 0.0021 | 0.00032 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 2706-90-3   |      |
| PFPeS                                                                | 0.72     | ug/L  | 0.0011 | 0.00019 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 2706-91-4   |      |
| PFDaA                                                                | <0.00024 | ug/L  | 0.0011 | 0.00024 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 307-55-1    |      |
| PFHpA                                                                | 0.080    | ug/L  | 0.0011 | 0.00023 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 375-85-9    |      |
| PFHxS                                                                | 4.0      | ug/L  | 0.011  | 0.0027  | 10 | 12/19/24 13:50 | 12/23/24 14:27 | 355-46-4    |      |
| PFNA                                                                 | 0.00048J | ug/L  | 0.0011 | 0.00025 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 375-95-1    |      |
| PFOS                                                                 | 4.6      | ug/L  | 0.011  | 0.0019  | 10 | 12/19/24 13:50 | 12/23/24 14:27 | 1763-23-1   |      |
| PFOA                                                                 | 0.21     | ug/L  | 0.0011 | 0.00036 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 335-67-1    |      |
| PFTeDA                                                               | <0.00030 | ug/L  | 0.0011 | 0.00030 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00021 | ug/L  | 0.0011 | 0.00021 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 72629-94-8  |      |
| PFUnA                                                                | <0.00027 | ug/L  | 0.0011 | 0.00027 | 1  | 12/19/24 13:50 | 12/20/24 13:55 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 90       | %.    | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             | 1M   |
| 13C3HFPO-DA (S)                                                      | 115      | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             |      |
| 13C3-PFBS (S)                                                        | 151      | %.    | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             | S0   |
| 13C3-PFHxS (S)                                                       | 97       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             |      |
| 13C3-PFHxS (S)                                                       | 103      | %.    | 40-130 |         | 10 | 12/19/24 13:50 | 12/23/24 14:27 |             |      |
| 13C4-PFBA (S)                                                        | 101      | %.    | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             |      |
| 13C4-PFHpA (S)                                                       | 107      | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             |      |
| 13C5-PFHxA (S)                                                       | 103      | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             |      |
| 13C5-PFPeA (S)                                                       | 109      | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             |      |
| 13C6-PFDA (S)                                                        | 101      | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 13:55 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3-DB-241203 Lab ID: 10718154015 Collected: 12/03/24 14:35 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 472.3 mL Final Volume/Weight: 5 mL            |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 110     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| 13C8-PFOS (S)                                                        | 97      | %.    | 40-130 |     | 10 | 12/19/24 13:50 | 12/23/24 14:27 |         |      |
| 13C8-PFOS (S)                                                        | 105     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| 13C8-PFOSA (S)                                                       | 118     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| 13C9-PFNA (S)                                                        | 100     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| d3-MeFOSAA (S)                                                       | 63      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| d3-NMeFOSA (S)                                                       | 81      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| d5-EtFOSAA (S)                                                       | 72      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| d5-NEtFOSA (S)                                                       | 80      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| d7-NMeFOSE (S)                                                       | 97      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| d9-NEtFOSE (S)                                                       | 99      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| 13C2-PFTA (S)                                                        | 87      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| 13C7-PFUdA (S)                                                       | 96      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| 13C24:2FTS (S)                                                       | 164     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| 13C26:2FTS (S)                                                       | 164     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |
| 13C28:2FTS (S)                                                       | 140     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 13:55 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3a-0-241203 Lab ID: 10718154016 Collected: 12/03/24 15:15 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 99.6 mL Final Volume/Weight: 5 mL             |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0039  | ug/L  | 0.020  | 0.0039  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0024  | ug/L  | 0.020  | 0.0024  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0049  | ug/L  | 0.020  | 0.0049  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0053  | ug/L  | 0.020  | 0.0053  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0041  | ug/L  | 0.020  | 0.0041  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 756426-58-1 |      |
| ADONA                                                                | <0.0029  | ug/L  | 0.020  | 0.0029  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0039  | ug/L  | 0.020  | 0.0039  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0017  | ug/L  | 0.0050 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.016   | ug/L  | 0.050  | 0.016   | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0016  | ug/L  | 0.0050 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.013   | ug/L  | 0.050  | 0.013   | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 24448-09-7  |      |
| PFBS                                                                 | 0.31     | ug/L  | 0.0050 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 375-73-5    |      |
| PFDA                                                                 | <0.00089 | ug/L  | 0.0050 | 0.00089 | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 335-76-2    |      |
| PFHxA                                                                | 0.56     | ug/L  | 0.0050 | 0.00076 | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 307-24-4    |      |
| PFBA                                                                 | 0.084    | ug/L  | 0.020  | 0.0031  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 375-22-4    |      |
| PFDS                                                                 | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 335-77-3    |      |
| PFDoS                                                                | <0.0014  | ug/L  | 0.0050 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 79780-39-5  |      |
| PFHpS                                                                | 0.12     | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 375-92-8    |      |
| PFNS                                                                 | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 68259-12-1  |      |
| PFOSA                                                                | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 754-91-6    |      |
| PFPeA                                                                | 0.095    | ug/L  | 0.010  | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 2706-90-3   |      |
| PFPeS                                                                | 0.96     | ug/L  | 0.0050 | 0.00091 | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 2706-91-4   |      |
| PFDoA                                                                | <0.0011  | ug/L  | 0.0050 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 307-55-1    |      |
| PFHpA                                                                | 0.15     | ug/L  | 0.0050 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 375-85-9    |      |
| PFHxS                                                                | 5.3      | ug/L  | 0.050  | 0.013   | 10 | 12/19/24 13:50 | 12/23/24 13:40 | 355-46-4    |      |
| PFNA                                                                 | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 375-95-1    |      |
| PFOS                                                                 | 5.3      | ug/L  | 0.050  | 0.0088  | 10 | 12/19/24 13:50 | 12/23/24 13:40 | 1763-23-1   |      |
| PFOA                                                                 | 0.26     | ug/L  | 0.0050 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 335-67-1    |      |
| PFTeDA                                                               | <0.0014  | ug/L  | 0.0050 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00099 | ug/L  | 0.0050 | 0.00099 | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 72629-94-8  |      |
| PFUnA                                                                | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 14:11 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 88       | %     | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |
| 13C3HFPO-DA (S)                                                      | 107      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |
| 13C3-PFBS (S)                                                        | 122      | %     | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |
| 13C3-PFHxS (S)                                                       | 105      | %     | 40-130 |         | 10 | 12/19/24 13:50 | 12/23/24 13:40 |             |      |
| 13C3-PFHxS (S)                                                       | 102      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |
| 13C4-PFBA (S)                                                        | 99       | %     | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |
| 13C4-PFHpA (S)                                                       | 99       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |
| 13C5-PFHxA (S)                                                       | 101      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |
| 13C5-PFPeA (S)                                                       | 101      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |
| 13C6-PFDA (S)                                                        | 98       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 14:11 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3a-0-241203 Lab ID: 10718154016 Collected: 12/03/24 15:15 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 99.6 mL Final Volume/Weight: 5 mL             |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 105     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| 13C8-PFOS (S)                                                        | 102     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| 13C8-PFOS (S)                                                        | 95      | %.    | 40-130 |     | 10 | 12/19/24 13:50 | 12/23/24 13:40 |         |      |
| 13C8-PFOSA (S)                                                       | 92      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| 13C9-PFNA (S)                                                        | 96      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| d3-MeFOSAA (S)                                                       | 70      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| d3-NMeFOSA (S)                                                       | 66      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| d5-EtFOSAA (S)                                                       | 77      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| d5-NEtFOSA (S)                                                       | 64      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| d7-NMeFOSE (S)                                                       | 81      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| d9-NEtFOSE (S)                                                       | 84      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| 13C2-PFTA (S)                                                        | 88      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| 13C7-PFUdA (S)                                                       | 95      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| 13C24:2FTS (S)                                                       | 147     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| 13C26:2FTS (S)                                                       | 139     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |
| 13C28:2FTS (S)                                                       | 138     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 14:11 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3b-0-241203 Lab ID: 10718154017 Collected: 12/03/24 15:40 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 44.7 mL Final Volume/Weight: 5 mL             |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0087 | ug/L  | 0.045  | 0.0087 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0054 | ug/L  | 0.045  | 0.0054 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.011  | ug/L  | 0.045  | 0.011  | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.012  | ug/L  | 0.045  | 0.012  | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0092 | ug/L  | 0.045  | 0.0092 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 756426-58-1 |      |
| ADONA                                                                | <0.0066 | ug/L  | 0.045  | 0.0066 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0087 | ug/L  | 0.045  | 0.0087 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0039 | ug/L  | 0.011  | 0.0039 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0029 | ug/L  | 0.011  | 0.0029 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.036  | ug/L  | 0.11   | 0.036  | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0036 | ug/L  | 0.011  | 0.0036 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0030 | ug/L  | 0.011  | 0.0030 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.030  | ug/L  | 0.11   | 0.030  | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 24448-09-7  |      |
| PFBS                                                                 | 0.38    | ug/L  | 0.011  | 0.0036 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 375-73-5    |      |
| PFDA                                                                 | <0.0020 | ug/L  | 0.011  | 0.0020 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 335-76-2    |      |
| PFHxA                                                                | 0.66    | ug/L  | 0.011  | 0.0017 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 307-24-4    |      |
| PFBA                                                                 | 0.096   | ug/L  | 0.045  | 0.0069 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 375-22-4    |      |
| PFDS                                                                 | <0.0030 | ug/L  | 0.011  | 0.0030 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 335-77-3    |      |
| PFDoS                                                                | <0.0031 | ug/L  | 0.011  | 0.0031 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 79780-39-5  |      |
| PFHpS                                                                | 0.12    | ug/L  | 0.011  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 375-92-8    |      |
| PFNS                                                                 | <0.0027 | ug/L  | 0.011  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 68259-12-1  |      |
| PFOSA                                                                | <0.0027 | ug/L  | 0.011  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 754-91-6    |      |
| PFPeA                                                                | 0.12    | ug/L  | 0.022  | 0.0033 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 2706-90-3   |      |
| PFPeS                                                                | 0.72    | ug/L  | 0.011  | 0.0020 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 2706-91-4   |      |
| PFDaA                                                                | <0.0025 | ug/L  | 0.011  | 0.0025 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 307-55-1    |      |
| PFHpA                                                                | 0.094   | ug/L  | 0.011  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 375-85-9    |      |
| PFHxS                                                                | 4.8     | ug/L  | 0.011  | 0.0029 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 355-46-4    |      |
| PFNA                                                                 | <0.0026 | ug/L  | 0.011  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 375-95-1    |      |
| PFOS                                                                 | 4.0     | ug/L  | 0.011  | 0.0020 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 1763-23-1   |      |
| PFOA                                                                 | 0.25    | ug/L  | 0.011  | 0.0038 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 335-67-1    |      |
| PFTeDA                                                               | <0.0032 | ug/L  | 0.011  | 0.0032 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0022 | ug/L  | 0.011  | 0.0022 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 72629-94-8  |      |
| PFUnA                                                                | <0.0028 | ug/L  | 0.011  | 0.0028 | 1  | 12/19/24 13:50 | 12/20/24 14:27 | 2058-94-8   |      |
| Surrogates                                                           |         |       |        |        |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 91      | %     | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C3HFPO-DA (S)                                                      | 101     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C3-PFBS (S)                                                        | 114     | %     | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C3-PFHxS (S)                                                       | 103     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C4-PFBA (S)                                                        | 101     | %     | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C4-PFHpA (S)                                                       | 96      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C5-PFHxA (S)                                                       | 99      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C5-PFPeA (S)                                                       | 101     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C6-PFDA (S)                                                        | 98      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |
| 13C8-PFOA (S)                                                        | 107     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 14:27 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3b-0-241203 Lab ID: 10718154017 Collected: 12/03/24 15:40 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 44.7 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 111 | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| 13C8-PFOSA (S) | 99  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| 13C9-PFNA (S)  | 94  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| d3-MeFOSAA (S) | 84  | %. | 40-170 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| d3-NMeFOSA (S) | 73  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| d5-EtFOSAA (S) | 86  | %. | 25-135 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| d5-NEtFOSA (S) | 75  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| d7-NMeFOSE (S) | 89  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| d9-NEtFOSE (S) | 91  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| 13C2-PFTA (S)  | 91  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| 13C7-PFUDa (S) | 96  | %. | 30-130 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| 13C24:2FTS (S) | 124 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| 13C26:2FTS (S) | 123 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |
| 13C28:2FTS (S) | 112 | %. | 40-300 |  | 1 | 12/19/24 13:50 | 12/20/24 14:27 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3c-0-241203 Lab ID: 10718154018 Collected: 12/03/24 16:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD   | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |       |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |       |    |                |                |             |      |
| Initial Volume/Weight: 2 mL Final Volume/Weight: 5 mL                |         |       |        |       |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |       |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.19   | ug/L  | 1.0    | 0.19  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.12   | ug/L  | 1.0    | 0.12  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.24   | ug/L  | 1.0    | 0.24  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.26   | ug/L  | 1.0    | 0.26  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.21   | ug/L  | 1.0    | 0.21  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 756426-58-1 |      |
| ADONA                                                                | <0.15   | ug/L  | 1.0    | 0.15  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.19   | ug/L  | 1.0    | 0.19  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.087  | ug/L  | 0.25   | 0.087 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.064  | ug/L  | 0.25   | 0.064 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.80   | ug/L  | 2.5    | 0.80  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.080  | ug/L  | 0.25   | 0.080 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.066  | ug/L  | 0.25   | 0.066 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.67   | ug/L  | 2.5    | 0.67  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 24448-09-7  |      |
| PFBS                                                                 | 0.19J   | ug/L  | 0.25   | 0.080 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 375-73-5    |      |
| PFDA                                                                 | <0.044  | ug/L  | 0.25   | 0.044 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 335-76-2    |      |
| PFHxA                                                                | 0.39    | ug/L  | 0.25   | 0.038 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 307-24-4    |      |
| PFBA                                                                 | 0.23J   | ug/L  | 1.0    | 0.15  | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 375-22-4    |      |
| PFDS                                                                 | <0.066  | ug/L  | 0.25   | 0.066 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 335-77-3    |      |
| PFDoS                                                                | <0.069  | ug/L  | 0.25   | 0.069 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 79780-39-5  |      |
| PFHpS                                                                | <0.060  | ug/L  | 0.25   | 0.060 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 375-92-8    |      |
| PFNS                                                                 | <0.060  | ug/L  | 0.25   | 0.060 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 68259-12-1  |      |
| PFOSA                                                                | <0.060  | ug/L  | 0.25   | 0.060 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 754-91-6    |      |
| PFPeA                                                                | 0.11J   | ug/L  | 0.50   | 0.075 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 2706-90-3   |      |
| PFPeS                                                                | 0.40    | ug/L  | 0.25   | 0.046 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 2706-91-4   |      |
| PFDoA                                                                | <0.056  | ug/L  | 0.25   | 0.056 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 307-55-1    |      |
| PFHpA                                                                | 0.067J  | ug/L  | 0.25   | 0.053 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 375-85-9    |      |
| PFHxS                                                                | 2.6     | ug/L  | 0.25   | 0.065 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 355-46-4    |      |
| PFNA                                                                 | <0.058  | ug/L  | 0.25   | 0.058 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 375-95-1    |      |
| PFOS                                                                 | 1.6     | ug/L  | 0.25   | 0.044 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 1763-23-1   |      |
| PFOA                                                                 | 0.24J   | ug/L  | 0.25   | 0.086 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 335-67-1    |      |
| PFTeDA                                                               | <0.071  | ug/L  | 0.25   | 0.071 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 376-06-7    |      |
| PFTTrDA                                                              | <0.050  | ug/L  | 0.25   | 0.050 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 72629-94-8  |      |
| PFUnA                                                                | <0.063  | ug/L  | 0.25   | 0.063 | 1  | 12/19/24 13:50 | 12/20/24 14:43 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |         |       |        |       |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 49      | %     | 10-130 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             | 1M   |
| 13C3HFPO-DA (S)                                                      | 48      | %     | 40-130 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |
| 13C3-PFBS (S)                                                        | 50      | %     | 40-135 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |
| 13C3-PFHxS (S)                                                       | 50      | %     | 40-130 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |
| 13C4-PFBA (S)                                                        | 42      | %     | 5-130  |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |
| 13C4-PFHpA (S)                                                       | 46      | %     | 40-130 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |
| 13C5-PFHxA (S)                                                       | 47      | %     | 40-130 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |
| 13C5-PFPeA (S)                                                       | 46      | %     | 40-130 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |
| 13C6-PFDA (S)                                                        | 52      | %     | 40-130 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |
| 13C8-PFOA (S)                                                        | 53      | %     | 40-130 |       | 1  | 12/19/24 13:50 | 12/20/24 14:43 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ3c-0-241203 Lab ID: 10718154018 Collected: 12/03/24 16:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 2 mL Final Volume/Weight: 5 mL                |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOS (S)                                                        | 57      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| 13C8-PFOSA (S)                                                       | 34      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         | S0   |
| 13C9-PFNA (S)                                                        | 51      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| d3-MeFOSAA (S)                                                       | 39      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         | S0   |
| d3-NMeFOSA (S)                                                       | 21      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| d5-EtFOSAA (S)                                                       | 34      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| d5-NEtFOSA (S)                                                       | 25      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| d7-NMeFOSE (S)                                                       | 28      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| d9-NEtFOSE (S)                                                       | 34      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| 13C2-PFTA (S)                                                        | 68      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| 13C7-PFUDa (S)                                                       | 50      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| 13C24:2FTS (S)                                                       | 57      | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| 13C26:2FTS (S)                                                       | 61      | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |
| 13C28:2FTS (S)                                                       | 58      | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 14:43 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ4-0-241203 Lab ID: 10718154019 Collected: 12/03/24 11:55 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 460 mL Final Volume/Weight: 5 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00085 | ug/L  | 0.0043 | 0.00085 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00052 | ug/L  | 0.0043 | 0.00052 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0011  | ug/L  | 0.0043 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0043 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00089 | ug/L  | 0.0043 | 0.00089 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 756426-58-1 |      |
| ADONA                                                                | <0.00064 | ug/L  | 0.0043 | 0.00064 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00085 | ug/L  | 0.0043 | 0.00085 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00038 | ug/L  | 0.0011 | 0.00038 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0035  | ug/L  | 0.011  | 0.0035  | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00035 | ug/L  | 0.0011 | 0.00035 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00029 | ug/L  | 0.0011 | 0.00029 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0029  | ug/L  | 0.011  | 0.0029  | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 24448-09-7  |      |
| PFBS                                                                 | 0.014    | ug/L  | 0.0011 | 0.00035 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 375-73-5    |      |
| PFDA                                                                 | <0.00019 | ug/L  | 0.0011 | 0.00019 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 335-76-2    |      |
| PFHxA                                                                | 0.026    | ug/L  | 0.0011 | 0.00016 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 307-24-4    |      |
| PFBA                                                                 | 0.027    | ug/L  | 0.0043 | 0.00067 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 375-22-4    |      |
| PFDS                                                                 | <0.00029 | ug/L  | 0.0011 | 0.00029 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 335-77-3    |      |
| PFDoS                                                                | <0.00030 | ug/L  | 0.0011 | 0.00030 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 79780-39-5  |      |
| PFHpS                                                                | 0.084    | ug/L  | 0.0011 | 0.00026 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 375-92-8    |      |
| PFNS                                                                 | <0.00026 | ug/L  | 0.0011 | 0.00026 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 68259-12-1  |      |
| PFOSA                                                                | <0.00026 | ug/L  | 0.0011 | 0.00026 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 754-91-6    |      |
| PFPeA                                                                | 0.0072   | ug/L  | 0.0022 | 0.00032 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 2706-90-3   |      |
| PFPeS                                                                | 0.049    | ug/L  | 0.0011 | 0.00020 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 2706-91-4   |      |
| PFDaA                                                                | <0.00024 | ug/L  | 0.0011 | 0.00024 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 307-55-1    |      |
| PFHpA                                                                | 0.0031   | ug/L  | 0.0011 | 0.00023 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 375-85-9    |      |
| PFHxS                                                                | 0.66     | ug/L  | 0.0054 | 0.0014  | 5  | 12/19/24 13:50 | 12/23/24 14:11 | 355-46-4    |      |
| PFNA                                                                 | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 375-95-1    |      |
| PFOS                                                                 | 1.4      | ug/L  | 0.0054 | 0.00095 | 5  | 12/19/24 13:50 | 12/23/24 14:11 | 1763-23-1   |      |
| PFOA                                                                 | 0.029    | ug/L  | 0.0011 | 0.00037 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 335-67-1    |      |
| PFTeDA                                                               | <0.00031 | ug/L  | 0.0011 | 0.00031 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00022 | ug/L  | 0.0011 | 0.00022 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 72629-94-8  |      |
| PFUnA                                                                | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/19/24 13:50 | 12/20/24 15:29 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 73       | %     | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |
| 13C3HFPO-DA (S)                                                      | 105      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |
| 13C3-PFBS (S)                                                        | 123      | %     | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |
| 13C3-PFHxS (S)                                                       | 106      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |
| 13C3-PFHxS (S)                                                       | 104      | %     | 40-130 |         | 5  | 12/19/24 13:50 | 12/23/24 14:11 |             |      |
| 13C4-PFBA (S)                                                        | 90       | %     | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |
| 13C4-PFHpA (S)                                                       | 102      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |
| 13C5-PFHxS (S)                                                       | 105      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |
| 13C5-PFPeA (S)                                                       | 105      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |
| 13C6-PFDA (S)                                                        | 94       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:29 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-GW-PZ4-0-241203 **Lab ID:** 10718154019 Collected: 12/03/24 11:55 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|-----------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |           |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |           |      |
| Initial Volume/Weight: 460 mL Final Volume/Weight: 5 mL              |         |       |        |     |    |                |                |           |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |           |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |           |      |
| 13C8-PFOA (S)                                                        | 113     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| 13C8-PFOS (S)                                                        | 100     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| 13C8-PFOS (S)                                                        | 98      | %.    | 40-130 |     | 5  | 12/19/24 13:50 | 12/23/24 14:11 |           |      |
| 13C8-PFOSA (S)                                                       | 80      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| 13C9-PFNA (S)                                                        | 97      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| d3-MeFOSAA (S)                                                       | 56      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| d3-NMeFOSA (S)                                                       | 58      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| d5-EtFOSAA (S)                                                       | 65      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| d5-NEtFOSA (S)                                                       | 55      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| d7-NMeFOSE (S)                                                       | 61      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| d9-NEtFOSE (S)                                                       | 61      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| 13C2-PFTA (S)                                                        | 73      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| 13C7-PFUdA (S)                                                       | 83      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| 13C24:2FTS (S)                                                       | 132     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| 13C26:2FTS (S)                                                       | 134     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| 13C28:2FTS (S)                                                       | 99      | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 15:29 |           |      |
| <b>5310C TOC</b>                                                     |         |       |        |     |    |                |                |           |      |
| Analytical Method: SM 5310C                                          |         |       |        |     |    |                |                |           |      |
| Initial Volume/Weight: 20 mL Final Volume/Weight: 20 mL              |         |       |        |     |    |                |                |           |      |
| Pace Analytical Services - Green Bay                                 |         |       |        |     |    |                |                |           |      |
| Total Organic Carbon                                                 | 670     | ug/L  | 500    | 190 | 1  |                | 12/16/24 06:08 | 7440-44-0 |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ5-0-241203 Lab ID: 10718154020 Collected: 12/03/24 11:40 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 101.2 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0038  | ug/L  | 0.020  | 0.0038  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0024  | ug/L  | 0.020  | 0.0024  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0048  | ug/L  | 0.020  | 0.0048  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0052  | ug/L  | 0.020  | 0.0052  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0041  | ug/L  | 0.020  | 0.0041  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 756426-58-1 |      |
| ADONA                                                                | <0.0029  | ug/L  | 0.020  | 0.0029  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0038  | ug/L  | 0.020  | 0.0038  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0017  | ug/L  | 0.0049 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0013  | ug/L  | 0.0049 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.016   | ug/L  | 0.049  | 0.016   | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0016  | ug/L  | 0.0049 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0013  | ug/L  | 0.0049 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.013   | ug/L  | 0.049  | 0.013   | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 24448-09-7  |      |
| PFBS                                                                 | 0.021    | ug/L  | 0.0049 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 375-73-5    |      |
| PFDA                                                                 | <0.00088 | ug/L  | 0.0049 | 0.00088 | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 335-76-2    |      |
| PFHxA                                                                | 0.014    | ug/L  | 0.0049 | 0.00075 | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 307-24-4    |      |
| PFBA                                                                 | 0.080    | ug/L  | 0.020  | 0.0030  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 375-22-4    |      |
| PFDS                                                                 | <0.0013  | ug/L  | 0.0049 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 335-77-3    |      |
| PFDoS                                                                | <0.0014  | ug/L  | 0.0049 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 79780-39-5  |      |
| PFHpS                                                                | <0.0012  | ug/L  | 0.0049 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 375-92-8    |      |
| PFNS                                                                 | <0.0012  | ug/L  | 0.0049 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 68259-12-1  |      |
| PFOSA                                                                | <0.0012  | ug/L  | 0.0049 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 754-91-6    |      |
| PFPeA                                                                | 0.0056J  | ug/L  | 0.0099 | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 2706-90-3   |      |
| PFPeS                                                                | 0.015    | ug/L  | 0.0049 | 0.00090 | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 2706-91-4   |      |
| PFDaA                                                                | <0.0011  | ug/L  | 0.0049 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 307-55-1    |      |
| PFHpA                                                                | 0.0031J  | ug/L  | 0.0049 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 375-85-9    |      |
| PFHxS                                                                | 0.066    | ug/L  | 0.0049 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 355-46-4    |      |
| PFNA                                                                 | <0.0012  | ug/L  | 0.0049 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 375-95-1    |      |
| PFOS                                                                 | 0.0084   | ug/L  | 0.0049 | 0.00086 | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 1763-23-1   |      |
| PFOA                                                                 | 0.0066   | ug/L  | 0.0049 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 335-67-1    |      |
| PFTeDA                                                               | <0.0014  | ug/L  | 0.0049 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00098 | ug/L  | 0.0049 | 0.00098 | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 72629-94-8  |      |
| PFUnA                                                                | <0.0012  | ug/L  | 0.0049 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 15:45 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 82       | %     | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C3HFPO-DA (S)                                                      | 99       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C3-PFBS (S)                                                        | 105      | %     | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C3-PFHxS (S)                                                       | 101      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C4-PFBA (S)                                                        | 87       | %     | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C4-PFHpA (S)                                                       | 96       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C5-PFHxS (S)                                                       | 98       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C5-PFPeA (S)                                                       | 99       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C6-PFDA (S)                                                        | 97       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |
| 13C8-PFOA (S)                                                        | 104      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 15:45 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ5-0-241203 Lab ID: 10718154020 Collected: 12/03/24 11:40 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 101.2 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 98  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| 13C8-PFOSA (S) | 89  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| 13C9-PFNA (S)  | 95  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| d3-MeFOSAA (S) | 78  | %. | 40-170 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| d3-NMeFOSA (S) | 69  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| d5-EtFOSAA (S) | 74  | %. | 25-135 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| d5-NEtFOSA (S) | 66  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| d7-NMeFOSE (S) | 76  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| d9-NEtFOSE (S) | 77  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| 13C2-PFTA (S)  | 82  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| 13C7-PFUDa (S) | 95  | %. | 30-130 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| 13C24:2FTS (S) | 122 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| 13C26:2FTS (S) | 122 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |
| 13C28:2FTS (S) | 105 | %. | 40-300 |  | 1 | 12/19/24 13:50 | 12/20/24 15:45 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ6-0-241203 Lab ID: 10718154021 Collected: 12/03/24 11:25 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 25.7 mL Final Volume/Weight: 5 mL             |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.015  | ug/L  | 0.078  | 0.015  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0094 | ug/L  | 0.078  | 0.0094 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.019  | ug/L  | 0.078  | 0.019  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.020  | ug/L  | 0.078  | 0.020  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.016  | ug/L  | 0.078  | 0.016  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 756426-58-1 |      |
| ADONA                                                                | <0.011  | ug/L  | 0.078  | 0.011  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.015  | ug/L  | 0.078  | 0.015  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0068 | ug/L  | 0.019  | 0.0068 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0050 | ug/L  | 0.019  | 0.0050 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.062  | ug/L  | 0.19   | 0.062  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0062 | ug/L  | 0.019  | 0.0062 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0052 | ug/L  | 0.019  | 0.0052 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.052  | ug/L  | 0.19   | 0.052  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 24448-09-7  |      |
| PFBS                                                                 | <0.0062 | ug/L  | 0.019  | 0.0062 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 375-73-5    |      |
| PFDA                                                                 | <0.0035 | ug/L  | 0.019  | 0.0035 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 335-76-2    |      |
| PFHxA                                                                | 0.0075J | ug/L  | 0.019  | 0.0029 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 307-24-4    |      |
| PFBA                                                                 | 0.035J  | ug/L  | 0.078  | 0.012  | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 375-22-4    |      |
| PFDS                                                                 | <0.0052 | ug/L  | 0.019  | 0.0052 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 335-77-3    |      |
| PFDoS                                                                | <0.0054 | ug/L  | 0.019  | 0.0054 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 79780-39-5  |      |
| PFHpS                                                                | <0.0046 | ug/L  | 0.019  | 0.0046 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 375-92-8    |      |
| PFNS                                                                 | <0.0047 | ug/L  | 0.019  | 0.0047 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 68259-12-1  |      |
| PFOSA                                                                | <0.0046 | ug/L  | 0.019  | 0.0046 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 754-91-6    |      |
| PFPeA                                                                | <0.0058 | ug/L  | 0.039  | 0.0058 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 2706-90-3   |      |
| PFPeS                                                                | 0.0089J | ug/L  | 0.019  | 0.0035 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 2706-91-4   |      |
| PFDaA                                                                | <0.0043 | ug/L  | 0.019  | 0.0043 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 307-55-1    |      |
| PFHpA                                                                | <0.0041 | ug/L  | 0.019  | 0.0041 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 375-85-9    |      |
| PFHxS                                                                | 0.052   | ug/L  | 0.019  | 0.0050 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 355-46-4    |      |
| PFNA                                                                 | <0.0045 | ug/L  | 0.019  | 0.0045 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 375-95-1    |      |
| PFOS                                                                 | 0.012J  | ug/L  | 0.019  | 0.0034 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 1763-23-1   |      |
| PFOA                                                                 | <0.0067 | ug/L  | 0.019  | 0.0067 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 335-67-1    |      |
| PFTeDA                                                               | <0.0055 | ug/L  | 0.019  | 0.0055 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0039 | ug/L  | 0.019  | 0.0039 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 72629-94-8  |      |
| PFUnA                                                                | <0.0049 | ug/L  | 0.019  | 0.0049 | 1  | 12/19/24 13:50 | 12/20/24 16:02 | 2058-94-8   |      |
| Surrogates                                                           |         |       |        |        |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 88      | %     | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C3HFPO-DA (S)                                                      | 105     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C3-PFBS (S)                                                        | 106     | %     | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C3-PFHxS (S)                                                       | 104     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C4-PFBA (S)                                                        | 100     | %     | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C4-PFHpA (S)                                                       | 100     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C5-PFHxA (S)                                                       | 102     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C5-PFPeA (S)                                                       | 103     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C6-PFDA (S)                                                        | 100     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |
| 13C8-PFOA (S)                                                        | 107     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:02 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ6-0-241203 Lab ID: 10718154021 Collected: 12/03/24 11:25 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 25.7 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 101 | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| 13C8-PFOSA (S) | 87  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| 13C9-PFNA (S)  | 99  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| d3-MeFOSAA (S) | 71  | %. | 40-170 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| d3-NMeFOSA (S) | 61  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| d5-EtFOSAA (S) | 68  | %. | 25-135 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| d5-NEtFOSA (S) | 57  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| d7-NMeFOSE (S) | 75  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| d9-NEtFOSE (S) | 77  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| 13C2-PFTA (S)  | 86  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| 13C7-PFUDa (S) | 98  | %. | 30-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| 13C24:2FTS (S) | 130 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| 13C26:2FTS (S) | 137 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |
| 13C28:2FTS (S) | 119 | %. | 40-300 |  | 1 | 12/19/24 13:50 | 12/20/24 16:02 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ7-0-241203 Lab ID: 10718154022 Collected: 12/03/24 11:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 49.4 mL Final Volume/Weight: 5 mL             |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0079 | ug/L  | 0.040  | 0.0079 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0049 | ug/L  | 0.040  | 0.0049 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0099 | ug/L  | 0.040  | 0.0099 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.011  | ug/L  | 0.040  | 0.011  | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0083 | ug/L  | 0.040  | 0.0083 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 756426-58-1 |      |
| ADONA                                                                | <0.0059 | ug/L  | 0.040  | 0.0059 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0079 | ug/L  | 0.040  | 0.0079 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0035 | ug/L  | 0.010  | 0.0035 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0026 | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.032  | ug/L  | 0.10   | 0.032  | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0032 | ug/L  | 0.010  | 0.0032 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0027 | ug/L  | 0.010  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.027  | ug/L  | 0.10   | 0.027  | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 24448-09-7  |      |
| PFBS                                                                 | 0.0075J | ug/L  | 0.010  | 0.0032 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 375-73-5    |      |
| PFDA                                                                 | <0.0018 | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 335-76-2    |      |
| PFHxA                                                                | 0.0064J | ug/L  | 0.010  | 0.0015 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 307-24-4    |      |
| PFBA                                                                 | 0.029J  | ug/L  | 0.040  | 0.0062 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 375-22-4    |      |
| PFDS                                                                 | <0.0027 | ug/L  | 0.010  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 335-77-3    |      |
| PFDoS                                                                | <0.0028 | ug/L  | 0.010  | 0.0028 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 79780-39-5  |      |
| PFHpS                                                                | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 375-92-8    |      |
| PFNS                                                                 | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 68259-12-1  |      |
| PFOSA                                                                | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 754-91-6    |      |
| PFPeA                                                                | <0.0030 | ug/L  | 0.020  | 0.0030 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 2706-90-3   |      |
| PFPeS                                                                | 0.0084J | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 2706-91-4   |      |
| PFDaA                                                                | <0.0022 | ug/L  | 0.010  | 0.0022 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 307-55-1    |      |
| PFHpA                                                                | <0.0022 | ug/L  | 0.010  | 0.0022 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 375-85-9    |      |
| PFHxS                                                                | 0.029   | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 355-46-4    |      |
| PFNA                                                                 | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 375-95-1    |      |
| PFOS                                                                 | 0.0051J | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 1763-23-1   |      |
| PFOA                                                                 | 0.0051J | ug/L  | 0.010  | 0.0035 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 335-67-1    |      |
| PFTeDA                                                               | <0.0029 | ug/L  | 0.010  | 0.0029 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0020 | ug/L  | 0.010  | 0.0020 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 72629-94-8  |      |
| PFUnA                                                                | <0.0026 | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 16:18 | 2058-94-8   |      |
| Surrogates                                                           |         |       |        |        |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 82      | %     | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C3HFPO-DA (S)                                                      | 100     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C3-PFBS (S)                                                        | 105     | %     | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C3-PFHxS (S)                                                       | 104     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C4-PFBA (S)                                                        | 98      | %     | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C4-PFHpA (S)                                                       | 96      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C5-PFHxA (S)                                                       | 99      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C5-PFPeA (S)                                                       | 99      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C6-PFDA (S)                                                        | 95      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |
| 13C8-PFOA (S)                                                        | 107     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 16:18 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ7-0-241203 Lab ID: 10718154022 Collected: 12/03/24 11:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 49.4 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 98  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| 13C8-PFOSA (S) | 86  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| 13C9-PFNA (S)  | 96  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| d3-MeFOSAA (S) | 69  | %. | 40-170 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| d3-NMeFOSA (S) | 56  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| d5-EtFOSAA (S) | 67  | %. | 25-135 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| d5-NEtFOSA (S) | 53  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| d7-NMeFOSE (S) | 69  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| d9-NEtFOSE (S) | 70  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| 13C2-PFTA (S)  | 81  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| 13C7-PFUDa (S) | 96  | %. | 30-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| 13C24:2FTS (S) | 130 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| 13C26:2FTS (S) | 134 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |
| 13C28:2FTS (S) | 119 | %. | 40-300 |  | 1 | 12/19/24 13:50 | 12/20/24 16:18 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ8-0-241204 Lab ID: 10718154023 Collected: 12/04/24 08:15 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 97.5 mL Final Volume/Weight: 5 mL             |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0040  | ug/L  | 0.021  | 0.0040  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0025  | ug/L  | 0.021  | 0.0025  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0050  | ug/L  | 0.021  | 0.0050  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0054  | ug/L  | 0.021  | 0.0054  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0042  | ug/L  | 0.021  | 0.0042  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 756426-58-1 |      |
| ADONA                                                                | <0.0030  | ug/L  | 0.021  | 0.0030  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0040  | ug/L  | 0.021  | 0.0040  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0018  | ug/L  | 0.0051 | 0.0018  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0013  | ug/L  | 0.0051 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.016   | ug/L  | 0.051  | 0.016   | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0016  | ug/L  | 0.0051 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0014  | ug/L  | 0.0051 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.014   | ug/L  | 0.051  | 0.014   | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 24448-09-7  |      |
| PFBS                                                                 | <0.0016  | ug/L  | 0.0051 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 375-73-5    |      |
| PFDA                                                                 | <0.00091 | ug/L  | 0.0051 | 0.00091 | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 335-76-2    |      |
| PFHxA                                                                | <0.00077 | ug/L  | 0.0051 | 0.00077 | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 307-24-4    |      |
| PFBA                                                                 | <0.0031  | ug/L  | 0.021  | 0.0031  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 375-22-4    |      |
| PFDS                                                                 | <0.0014  | ug/L  | 0.0051 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 335-77-3    |      |
| PFDoS                                                                | <0.0014  | ug/L  | 0.0051 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 79780-39-5  |      |
| PFHpS                                                                | <0.0012  | ug/L  | 0.0051 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 375-92-8    |      |
| PFNS                                                                 | <0.0012  | ug/L  | 0.0051 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 68259-12-1  |      |
| PFOSA                                                                | <0.0012  | ug/L  | 0.0051 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 754-91-6    |      |
| PFPeA                                                                | <0.0015  | ug/L  | 0.010  | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 2706-90-3   |      |
| PFPeS                                                                | <0.00093 | ug/L  | 0.0051 | 0.00093 | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 2706-91-4   |      |
| PFDaA                                                                | <0.0011  | ug/L  | 0.0051 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 307-55-1    |      |
| PFHpA                                                                | <0.0011  | ug/L  | 0.0051 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 375-85-9    |      |
| PFHxS                                                                | <0.0013  | ug/L  | 0.0051 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 355-46-4    |      |
| PFNA                                                                 | <0.0012  | ug/L  | 0.0051 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 375-95-1    |      |
| PFOS                                                                 | 0.0027J  | ug/L  | 0.0051 | 0.00090 | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 1763-23-1   |      |
| PFOA                                                                 | <0.0018  | ug/L  | 0.0051 | 0.0018  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 335-67-1    |      |
| PFTeDA                                                               | <0.0015  | ug/L  | 0.0051 | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0010  | ug/L  | 0.0051 | 0.0010  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 72629-94-8  |      |
| PFUnA                                                                | <0.0013  | ug/L  | 0.0051 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 16:33 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 89       | %     | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             | D3   |
| 13C3HFPO-DA (S)                                                      | 103      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |
| 13C3-PFBS (S)                                                        | 108      | %     | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |
| 13C3-PFHxS (S)                                                       | 105      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |
| 13C4-PFBA (S)                                                        | 100      | %     | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |
| 13C4-PFHpA (S)                                                       | 102      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |
| 13C5-PFHxA (S)                                                       | 103      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |
| 13C5-PFPeA (S)                                                       | 102      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |
| 13C6-PFDA (S)                                                        | 100      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |
| 13C8-PFOA (S)                                                        | 106      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:33 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ8-0-241204 Lab ID: 10718154023 Collected: 12/04/24 08:15 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 97.5 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 103 | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| 13C8-PFOSA (S) | 91  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| 13C9-PFNA (S)  | 97  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| d3-MeFOSAA (S) | 74  | %. | 40-170 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| d3-NMeFOSA (S) | 62  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| d5-EtFOSAA (S) | 70  | %. | 25-135 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| d5-NEtFOSA (S) | 63  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| d7-NMeFOSE (S) | 76  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| d9-NEtFOSE (S) | 79  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| 13C2-PFTA (S)  | 88  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| 13C7-PFUDa (S) | 97  | %. | 30-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| 13C24:2FTS (S) | 133 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| 13C26:2FTS (S) | 134 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |
| 13C28:2FTS (S) | 122 | %. | 40-300 |  | 1 | 12/19/24 13:50 | 12/20/24 16:33 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ9-0-241204 Lab ID: 10718154024 Collected: 12/04/24 08:30 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 100.7 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0039  | ug/L  | 0.020  | 0.0039  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0024  | ug/L  | 0.020  | 0.0024  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0048  | ug/L  | 0.020  | 0.0048  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0052  | ug/L  | 0.020  | 0.0052  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0041  | ug/L  | 0.020  | 0.0041  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 756426-58-1 |      |
| ADONA                                                                | <0.0029  | ug/L  | 0.020  | 0.0029  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0039  | ug/L  | 0.020  | 0.0039  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0017  | ug/L  | 0.0050 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.016   | ug/L  | 0.050  | 0.016   | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0016  | ug/L  | 0.0050 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.013   | ug/L  | 0.050  | 0.013   | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 24448-09-7  |      |
| PFBS                                                                 | <0.0016  | ug/L  | 0.0050 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 375-73-5    |      |
| PFDA                                                                 | <0.00088 | ug/L  | 0.0050 | 0.00088 | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 335-76-2    |      |
| PFHxA                                                                | <0.00075 | ug/L  | 0.0050 | 0.00075 | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 307-24-4    |      |
| PFBA                                                                 | <0.0030  | ug/L  | 0.020  | 0.0030  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 375-22-4    |      |
| PFDS                                                                 | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 335-77-3    |      |
| PFDoS                                                                | <0.0014  | ug/L  | 0.0050 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 79780-39-5  |      |
| PFHpS                                                                | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 375-92-8    |      |
| PFNS                                                                 | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 68259-12-1  |      |
| PFOSA                                                                | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 754-91-6    |      |
| PFPeA                                                                | <0.0015  | ug/L  | 0.0099 | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 2706-90-3   |      |
| PFPeS                                                                | <0.00090 | ug/L  | 0.0050 | 0.00090 | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 2706-91-4   |      |
| PFDaA                                                                | <0.0011  | ug/L  | 0.0050 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 307-55-1    |      |
| PFHpA                                                                | <0.0011  | ug/L  | 0.0050 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 375-85-9    |      |
| PFHxS                                                                | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 355-46-4    |      |
| PFNA                                                                 | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 375-95-1    |      |
| PFOS                                                                 | 0.0025J  | ug/L  | 0.0050 | 0.00087 | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 1763-23-1   |      |
| PFOA                                                                 | <0.0017  | ug/L  | 0.0050 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 335-67-1    |      |
| PFTeDA                                                               | <0.0014  | ug/L  | 0.0050 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00098 | ug/L  | 0.0050 | 0.00098 | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 72629-94-8  |      |
| PFUnA                                                                | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 16:49 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 86       | %.    | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             | D3   |
| 13C3HFPO-DA (S)                                                      | 97       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |
| 13C3-PFBS (S)                                                        | 103      | %.    | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |
| 13C3-PFHxS (S)                                                       | 101      | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |
| 13C4-PFBA (S)                                                        | 96       | %.    | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |
| 13C4-PFHpA (S)                                                       | 93       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |
| 13C5-PFHxS (S)                                                       | 97       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |
| 13C5-PFPeA (S)                                                       | 97       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |
| 13C6-PFDA (S)                                                        | 96       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |
| 13C8-PFOA (S)                                                        | 100      | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 16:49 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ9-0-241204 Lab ID: 10718154024 Collected: 12/04/24 08:30 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 100.7 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 103 | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| 13C8-PFOSA (S) | 88  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| 13C9-PFNA (S)  | 92  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| d3-MeFOSAA (S) | 74  | %. | 40-170 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| d3-NMeFOSA (S) | 63  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| d5-EtFOSAA (S) | 71  | %. | 25-135 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| d5-NEtFOSA (S) | 63  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| d7-NMeFOSE (S) | 76  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| d9-NEtFOSE (S) | 79  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| 13C2-PFTA (S)  | 86  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| 13C7-PFUDa (S) | 96  | %. | 30-130 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| 13C24:2FTS (S) | 125 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| 13C26:2FTS (S) | 130 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |
| 13C28:2FTS (S) | 113 | %. | 40-300 |  | 1 | 12/19/24 13:50 | 12/20/24 16:49 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ10-0-241203 Lab ID: 10718154025 Collected: 12/03/24 10:55 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 51.7 mL Final Volume/Weight: 5 mL             |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0075 | ug/L  | 0.039  | 0.0075 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0047 | ug/L  | 0.039  | 0.0047 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0094 | ug/L  | 0.039  | 0.0094 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.010  | ug/L  | 0.039  | 0.010  | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0080 | ug/L  | 0.039  | 0.0080 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 756426-58-1 |      |
| ADONA                                                                | <0.0057 | ug/L  | 0.039  | 0.0057 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0075 | ug/L  | 0.039  | 0.0075 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0034 | ug/L  | 0.0097 | 0.0034 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0025 | ug/L  | 0.0097 | 0.0025 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.031  | ug/L  | 0.097  | 0.031  | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0031 | ug/L  | 0.0097 | 0.0031 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0026 | ug/L  | 0.0097 | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.026  | ug/L  | 0.097  | 0.026  | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 24448-09-7  |      |
| PFBS                                                                 | 0.028   | ug/L  | 0.0097 | 0.0031 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 375-73-5    |      |
| PFDA                                                                 | <0.0017 | ug/L  | 0.0097 | 0.0017 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 335-76-2    |      |
| PFHxA                                                                | 0.058   | ug/L  | 0.0097 | 0.0015 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 307-24-4    |      |
| PFBA                                                                 | 0.037J  | ug/L  | 0.039  | 0.0059 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 375-22-4    |      |
| PFDS                                                                 | <0.0026 | ug/L  | 0.0097 | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 335-77-3    |      |
| PFDoS                                                                | <0.0027 | ug/L  | 0.0097 | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 79780-39-5  |      |
| PFHpS                                                                | <0.0023 | ug/L  | 0.0097 | 0.0023 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 375-92-8    |      |
| PFNS                                                                 | <0.0023 | ug/L  | 0.0097 | 0.0023 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 68259-12-1  |      |
| PFOSA                                                                | <0.0023 | ug/L  | 0.0097 | 0.0023 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 754-91-6    |      |
| PFPeA                                                                | 0.010J  | ug/L  | 0.019  | 0.0029 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 2706-90-3   |      |
| PFPeS                                                                | 0.032   | ug/L  | 0.0097 | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 2706-91-4   |      |
| PFDoA                                                                | <0.0021 | ug/L  | 0.0097 | 0.0021 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 307-55-1    |      |
| PFHpA                                                                | 0.012   | ug/L  | 0.0097 | 0.0021 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 375-85-9    |      |
| PFHxS                                                                | 0.25    | ug/L  | 0.0097 | 0.0025 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 355-46-4    |      |
| PFNA                                                                 | <0.0023 | ug/L  | 0.0097 | 0.0023 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 375-95-1    |      |
| PFOS                                                                 | 0.012   | ug/L  | 0.0097 | 0.0017 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 1763-23-1   |      |
| PFOA                                                                 | 0.045   | ug/L  | 0.0097 | 0.0033 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 335-67-1    |      |
| PFTeDA                                                               | <0.0028 | ug/L  | 0.0097 | 0.0028 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0019 | ug/L  | 0.0097 | 0.0019 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 72629-94-8  |      |
| PFUnA                                                                | <0.0024 | ug/L  | 0.0097 | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 17:05 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |         |       |        |        |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 82      | %     | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C3HFPO-DA (S)                                                      | 101     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C3-PFBS (S)                                                        | 104     | %     | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C3-PFHxS (S)                                                       | 103     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C4-PFBA (S)                                                        | 97      | %     | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C4-PFHpA (S)                                                       | 94      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C5-PFHxA (S)                                                       | 98      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C5-PFPeA (S)                                                       | 98      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C6-PFDA (S)                                                        | 96      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |
| 13C8-PFOA (S)                                                        | 107     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:05 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ10-0-241203 Lab ID: 10718154025 Collected: 12/03/24 10:55 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 51.7 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |
|----------------|-----|----|--------|--|---|----------------|----------------|
| 13C8-PFOS (S)  | 103 | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| 13C8-PFOSA (S) | 87  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| 13C9-PFNA (S)  | 91  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| d3-MeFOSAA (S) | 75  | %. | 40-170 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| d3-NMeFOSA (S) | 61  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| d5-EtFOSAA (S) | 73  | %. | 25-135 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| d5-NEtFOSA (S) | 60  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| d7-NMeFOSE (S) | 69  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| d9-NEtFOSE (S) | 71  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| 13C2-PFTA (S)  | 82  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| 13C7-PFUDa (S) | 95  | %. | 30-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| 13C24:2FTS (S) | 123 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| 13C26:2FTS (S) | 128 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |
| 13C28:2FTS (S) | 111 | %. | 40-300 |  | 1 | 12/19/24 13:50 | 12/20/24 17:05 |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ11-0-241203 Lab ID: 10718154026 Collected: 12/03/24 10:40 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 9.9 mL Final Volume/Weight: 5 mL              |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.039  | ug/L  | 0.20   | 0.039  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.024  | ug/L  | 0.20   | 0.024  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.049  | ug/L  | 0.20   | 0.049  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.053  | ug/L  | 0.20   | 0.053  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.042  | ug/L  | 0.20   | 0.042  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 756426-58-1 |      |
| ADONA                                                                | <0.030  | ug/L  | 0.20   | 0.030  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.039  | ug/L  | 0.20   | 0.039  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.018  | ug/L  | 0.051  | 0.018  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.013  | ug/L  | 0.051  | 0.013  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.16   | ug/L  | 0.51   | 0.16   | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.016  | ug/L  | 0.051  | 0.016  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.013  | ug/L  | 0.051  | 0.013  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.13   | ug/L  | 0.51   | 0.13   | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 24448-09-7  |      |
| PFBS                                                                 | <0.016  | ug/L  | 0.051  | 0.016  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 375-73-5    |      |
| PFDA                                                                 | <0.0090 | ug/L  | 0.051  | 0.0090 | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 335-76-2    |      |
| PFHxA                                                                | <0.0076 | ug/L  | 0.051  | 0.0076 | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 307-24-4    |      |
| PFBA                                                                 | 0.042J  | ug/L  | 0.20   | 0.031  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 375-22-4    |      |
| PFDS                                                                 | <0.013  | ug/L  | 0.051  | 0.013  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 335-77-3    |      |
| PFDoS                                                                | <0.014  | ug/L  | 0.051  | 0.014  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 79780-39-5  |      |
| PFHpS                                                                | <0.012  | ug/L  | 0.051  | 0.012  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 375-92-8    |      |
| PFNS                                                                 | <0.012  | ug/L  | 0.051  | 0.012  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 68259-12-1  |      |
| PFOSA                                                                | <0.012  | ug/L  | 0.051  | 0.012  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 754-91-6    |      |
| PFPeA                                                                | <0.015  | ug/L  | 0.10   | 0.015  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 2706-90-3   |      |
| PFPeS                                                                | <0.0092 | ug/L  | 0.051  | 0.0092 | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 2706-91-4   |      |
| PFDoA                                                                | <0.011  | ug/L  | 0.051  | 0.011  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 307-55-1    |      |
| PFHpA                                                                | <0.011  | ug/L  | 0.051  | 0.011  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 375-85-9    |      |
| PFHxS                                                                | 0.16    | ug/L  | 0.051  | 0.013  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 355-46-4    |      |
| PFNA                                                                 | <0.012  | ug/L  | 0.051  | 0.012  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 375-95-1    |      |
| PFOS                                                                 | 0.099   | ug/L  | 0.051  | 0.0088 | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 1763-23-1   |      |
| PFOA                                                                 | 0.037J  | ug/L  | 0.051  | 0.017  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 335-67-1    |      |
| PFTeDA                                                               | <0.014  | ug/L  | 0.051  | 0.014  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 376-06-7    |      |
| PFTTrDA                                                              | <0.010  | ug/L  | 0.051  | 0.010  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 72629-94-8  |      |
| PFUnA                                                                | <0.013  | ug/L  | 0.051  | 0.013  | 1  | 12/19/24 13:50 | 12/20/24 17:20 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |         |       |        |        |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 93      | %     | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C3HFPO-DA (S)                                                      | 101     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C3-PFBS (S)                                                        | 109     | %     | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C3-PFHxS (S)                                                       | 105     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C4-PFBA (S)                                                        | 101     | %     | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C4-PFHpA (S)                                                       | 99      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C5-PFHxA (S)                                                       | 102     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C5-PFPeA (S)                                                       | 102     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C6-PFDA (S)                                                        | 102     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |
| 13C8-PFOA (S)                                                        | 112     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:20 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ11-0-241203 Lab ID: 10718154026 Collected: 12/03/24 10:40 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 9.9 mL Final Volume/Weight: 5 mL              |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOS (S)                                                        | 108     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| 13C8-PFOSA (S)                                                       | 91      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| 13C9-PFNA (S)                                                        | 102     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| d3-MeFOSAA (S)                                                       | 83      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| d3-NMeFOSA (S)                                                       | 59      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| d5-EtFOSAA (S)                                                       | 78      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| d5-NEtFOSA (S)                                                       | 59      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| d7-NMeFOSE (S)                                                       | 79      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| d9-NEtFOSE (S)                                                       | 82      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| 13C2-PFTA (S)                                                        | 89      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| 13C7-PFUDa (S)                                                       | 101     | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| 13C24:2FTS (S)                                                       | 131     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| 13C26:2FTS (S)                                                       | 134     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |
| 13C28:2FTS (S)                                                       | 122     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 17:20 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ12-0-241203 Lab ID: 10718154027 Collected: 12/03/24 10:25 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 105.7 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0037  | ug/L  | 0.019  | 0.0037  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0023  | ug/L  | 0.019  | 0.0023  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0046  | ug/L  | 0.019  | 0.0046  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0050  | ug/L  | 0.019  | 0.0050  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0039  | ug/L  | 0.019  | 0.0039  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 756426-58-1 |      |
| ADONA                                                                | <0.0028  | ug/L  | 0.019  | 0.0028  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0037  | ug/L  | 0.019  | 0.0037  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0016  | ug/L  | 0.0047 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0012  | ug/L  | 0.0047 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.015   | ug/L  | 0.047  | 0.015   | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0015  | ug/L  | 0.0047 | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0013  | ug/L  | 0.0047 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.013   | ug/L  | 0.047  | 0.013   | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 24448-09-7  |      |
| PFBS                                                                 | <0.0015  | ug/L  | 0.0047 | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 375-73-5    |      |
| PFDA                                                                 | <0.00084 | ug/L  | 0.0047 | 0.00084 | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 335-76-2    |      |
| PFHxA                                                                | <0.00071 | ug/L  | 0.0047 | 0.00071 | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 307-24-4    |      |
| PFBA                                                                 | 0.011J   | ug/L  | 0.019  | 0.0029  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 375-22-4    |      |
| PFDS                                                                 | <0.0013  | ug/L  | 0.0047 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 335-77-3    |      |
| PFDoS                                                                | <0.0013  | ug/L  | 0.0047 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 79780-39-5  |      |
| PFHpS                                                                | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 375-92-8    |      |
| PFNS                                                                 | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 68259-12-1  |      |
| PFOSA                                                                | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 754-91-6    |      |
| PFPeA                                                                | <0.0014  | ug/L  | 0.0095 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 2706-90-3   |      |
| PFPeS                                                                | 0.0018J  | ug/L  | 0.0047 | 0.00086 | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 2706-91-4   |      |
| PFDoA                                                                | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 307-55-1    |      |
| PFHpA                                                                | <0.0010  | ug/L  | 0.0047 | 0.0010  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 375-85-9    |      |
| PFHxS                                                                | 0.012    | ug/L  | 0.0047 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 355-46-4    |      |
| PFNA                                                                 | <0.0011  | ug/L  | 0.0047 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 375-95-1    |      |
| PFOS                                                                 | 0.0020J  | ug/L  | 0.0047 | 0.00083 | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 1763-23-1   |      |
| PFOA                                                                 | <0.0016  | ug/L  | 0.0047 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 335-67-1    |      |
| PFTeDA                                                               | <0.0013  | ug/L  | 0.0047 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00094 | ug/L  | 0.0047 | 0.00094 | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 72629-94-8  |      |
| PFUnA                                                                | <0.0012  | ug/L  | 0.0047 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 17:36 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 89       | %     | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C3HFPO-DA (S)                                                      | 100      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C3-PFBS (S)                                                        | 104      | %     | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C3-PFHxS (S)                                                       | 103      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C4-PFBA (S)                                                        | 98       | %     | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C4-PFHpA (S)                                                       | 95       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C5-PFHxA (S)                                                       | 97       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C5-PFPeA (S)                                                       | 98       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C6-PFDA (S)                                                        | 98       | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |
| 13C8-PFOA (S)                                                        | 104      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 17:36 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ12-0-241203 Lab ID: 10718154027 Collected: 12/03/24 10:25 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|-----------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |           |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |           |      |
| Initial Volume/Weight: 105.7 mL Final Volume/Weight: 5 mL            |         |       |        |     |    |                |                |           |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |           |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |           |      |
| 13C8-PFOS (S)                                                        | 105     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| 13C8-PFOA (S)                                                        | 87      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| 13C9-PFNA (S)                                                        | 93      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| d3-MeFOSAA (S)                                                       | 76      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| d3-NMeFOSA (S)                                                       | 57      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| d5-EtFOSAA (S)                                                       | 74      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| d5-NEtFOSA (S)                                                       | 58      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| d7-NMeFOSE (S)                                                       | 75      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| d9-NEtFOSE (S)                                                       | 78      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| 13C2-PFTA (S)                                                        | 87      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| 13C7-PFUDa (S)                                                       | 99      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| 13C24:2FTS (S)                                                       | 124     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| 13C26:2FTS (S)                                                       | 131     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| 13C28:2FTS (S)                                                       | 112     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 17:36 |           |      |
| <b>5310C TOC</b>                                                     |         |       |        |     |    |                |                |           |      |
| Analytical Method: SM 5310C                                          |         |       |        |     |    |                |                |           |      |
| Initial Volume/Weight: 20 mL Final Volume/Weight: 20 mL              |         |       |        |     |    |                |                |           |      |
| Pace Analytical Services - Green Bay                                 |         |       |        |     |    |                |                |           |      |
| Total Organic Carbon                                                 | 894     | ug/L  | 500    | 190 | 1  |                | 12/16/24 06:44 | 7440-44-0 |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ13-0-241203 Lab ID: 10718154028 Collected: 12/03/24 10:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 24 mL Final Volume/Weight: 5 mL               |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.016  | ug/L  | 0.083  | 0.016  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.010  | ug/L  | 0.083  | 0.010  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.020  | ug/L  | 0.083  | 0.020  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.022  | ug/L  | 0.083  | 0.022  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.017  | ug/L  | 0.083  | 0.017  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 756426-58-1 |      |
| ADONA                                                                | <0.012  | ug/L  | 0.083  | 0.012  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.016  | ug/L  | 0.083  | 0.016  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0072 | ug/L  | 0.021  | 0.0072 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0054 | ug/L  | 0.021  | 0.0054 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.067  | ug/L  | 0.21   | 0.067  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0066 | ug/L  | 0.021  | 0.0066 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0055 | ug/L  | 0.021  | 0.0055 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.056  | ug/L  | 0.21   | 0.056  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 24448-09-7  |      |
| PFBS                                                                 | <0.0067 | ug/L  | 0.021  | 0.0067 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 375-73-5    |      |
| PFDA                                                                 | <0.0037 | ug/L  | 0.021  | 0.0037 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 335-76-2    |      |
| PFHxA                                                                | <0.0031 | ug/L  | 0.021  | 0.0031 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 307-24-4    |      |
| PFBA                                                                 | 0.013J  | ug/L  | 0.083  | 0.013  | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 375-22-4    |      |
| PFDS                                                                 | <0.0055 | ug/L  | 0.021  | 0.0055 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 335-77-3    |      |
| PFDoS                                                                | <0.0058 | ug/L  | 0.021  | 0.0058 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 79780-39-5  |      |
| PFHpS                                                                | <0.0050 | ug/L  | 0.021  | 0.0050 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 375-92-8    |      |
| PFNS                                                                 | <0.0050 | ug/L  | 0.021  | 0.0050 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 68259-12-1  |      |
| PFOSA                                                                | <0.0050 | ug/L  | 0.021  | 0.0050 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 754-91-6    |      |
| PFPeA                                                                | <0.0062 | ug/L  | 0.042  | 0.0062 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 2706-90-3   |      |
| PFPeS                                                                | 0.0096J | ug/L  | 0.021  | 0.0038 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 2706-91-4   |      |
| PFDaA                                                                | <0.0046 | ug/L  | 0.021  | 0.0046 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 307-55-1    |      |
| PFHpA                                                                | <0.0044 | ug/L  | 0.021  | 0.0044 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 375-85-9    |      |
| PFHxS                                                                | 0.090   | ug/L  | 0.021  | 0.0054 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 355-46-4    |      |
| PFNA                                                                 | <0.0049 | ug/L  | 0.021  | 0.0049 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 375-95-1    |      |
| PFOS                                                                 | 0.025   | ug/L  | 0.021  | 0.0036 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 1763-23-1   |      |
| PFOA                                                                 | <0.0071 | ug/L  | 0.021  | 0.0071 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 335-67-1    |      |
| PFTeDA                                                               | <0.0059 | ug/L  | 0.021  | 0.0059 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0041 | ug/L  | 0.021  | 0.0041 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 72629-94-8  |      |
| PFUnA                                                                | <0.0053 | ug/L  | 0.021  | 0.0053 | 1  | 12/19/24 13:50 | 12/20/24 17:51 | 2058-94-8   |      |
| Surrogates                                                           |         |       |        |        |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 92      | %     | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C3HFPO-DA (S)                                                      | 98      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C3-PFBS (S)                                                        | 106     | %     | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C3-PFHxS (S)                                                       | 102     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C4-PFBA (S)                                                        | 99      | %     | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C4-PFHpA (S)                                                       | 97      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C5-PFHxA (S)                                                       | 100     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C5-PFPeA (S)                                                       | 99      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C6-PFDA (S)                                                        | 100     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |
| 13C8-PFOA (S)                                                        | 110     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 17:51 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-GW-PZ13-0-241203 Lab ID: 10718154028 Collected: 12/03/24 10:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 24 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 106 | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| 13C8-PFOSA (S) | 88  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| 13C9-PFNA (S)  | 96  | %. | 40-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| d3-MeFOSAA (S) | 80  | %. | 40-170 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| d3-NMeFOSA (S) | 54  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| d5-EtFOSAA (S) | 79  | %. | 25-135 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| d5-NEtFOSA (S) | 55  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| d7-NMeFOSE (S) | 74  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| d9-NEtFOSE (S) | 78  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| 13C2-PFTA (S)  | 90  | %. | 10-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| 13C7-PFUDa (S) | 98  | %. | 30-130 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| 13C24:2FTS (S) | 126 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| 13C26:2FTS (S) | 133 | %. | 40-200 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |
| 13C28:2FTS (S) | 121 | %. | 40-300 |  | 1 | 12/19/24 13:50 | 12/20/24 17:51 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-SW-CREEK01-0-241202 **Lab ID:** 10718154029 **Collected:** 12/02/24 13:10 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 103.2 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0038  | ug/L  | 0.019  | 0.0038  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0023  | ug/L  | 0.019  | 0.0023  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0047  | ug/L  | 0.019  | 0.0047  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0051  | ug/L  | 0.019  | 0.0051  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0040  | ug/L  | 0.019  | 0.0040  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 756426-58-1 |      |
| ADONA                                                                | <0.0028  | ug/L  | 0.019  | 0.0028  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0038  | ug/L  | 0.019  | 0.0038  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0017  | ug/L  | 0.0048 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0012  | ug/L  | 0.0048 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.016   | ug/L  | 0.048  | 0.016   | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0015  | ug/L  | 0.0048 | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0013  | ug/L  | 0.0048 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.013   | ug/L  | 0.048  | 0.013   | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 24448-09-7  |      |
| PFBS                                                                 | 0.0040J  | ug/L  | 0.0048 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 375-73-5    |      |
| PFDA                                                                 | <0.00086 | ug/L  | 0.0048 | 0.00086 | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 335-76-2    |      |
| PFHxA                                                                | 0.0026J  | ug/L  | 0.0048 | 0.00073 | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 307-24-4    |      |
| PFBA                                                                 | 0.0066J  | ug/L  | 0.019  | 0.0030  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 375-22-4    |      |
| PFDS                                                                 | <0.0013  | ug/L  | 0.0048 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 335-77-3    |      |
| PFDoS                                                                | <0.0013  | ug/L  | 0.0048 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 79780-39-5  |      |
| PFHpS                                                                | <0.0012  | ug/L  | 0.0048 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 375-92-8    |      |
| PFNS                                                                 | <0.0012  | ug/L  | 0.0048 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 68259-12-1  |      |
| PFOSA                                                                | <0.0012  | ug/L  | 0.0048 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 754-91-6    |      |
| PFPeA                                                                | <0.0014  | ug/L  | 0.0097 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 2706-90-3   |      |
| PFPeS                                                                | 0.0021J  | ug/L  | 0.0048 | 0.00088 | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 2706-91-4   |      |
| PFDoA                                                                | <0.0011  | ug/L  | 0.0048 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 307-55-1    |      |
| PFHpA                                                                | <0.0010  | ug/L  | 0.0048 | 0.0010  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 375-85-9    |      |
| PFHxS                                                                | 0.014    | ug/L  | 0.0048 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 355-46-4    |      |
| PFNA                                                                 | <0.0011  | ug/L  | 0.0048 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 375-95-1    |      |
| PFOS                                                                 | 0.017    | ug/L  | 0.0048 | 0.00085 | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 1763-23-1   |      |
| PFOA                                                                 | <0.0017  | ug/L  | 0.0048 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 335-67-1    |      |
| PFTeDA                                                               | <0.0014  | ug/L  | 0.0048 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 376-06-7    |      |
| PFTrDA                                                               | <0.00096 | ug/L  | 0.0048 | 0.00096 | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 72629-94-8  |      |
| PFUnA                                                                | <0.0012  | ug/L  | 0.0048 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 18:38 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 80       | %.    | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |
| 13C3HFPO-DA (S)                                                      | 98       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |
| 13C3-PFBS (S)                                                        | 101      | %.    | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |
| 13C3-PFHxS (S)                                                       | 98       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |
| 13C4-PFBA (S)                                                        | 97       | %.    | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |
| 13C4-PFHpA (S)                                                       | 94       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |
| 13C5-PFHxA (S)                                                       | 96       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |
| 13C5-PFPeA (S)                                                       | 96       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |
| 13C6-PFDA (S)                                                        | 93       | %.    | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 18:38 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-SW-CREEK01-0-241202 Lab ID: 10718154029 Collected: 12/02/24 13:10 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 103.2 mL Final Volume/Weight: 5 mL            |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 104     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| 13C8-PFOS (S)                                                        | 99      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| 13C8-PFOSA (S)                                                       | 86      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| 13C9-PFNA (S)                                                        | 94      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| d3-MeFOSAA (S)                                                       | 75      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| d3-NMeFOSA (S)                                                       | 61      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| d5-EtFOSAA (S)                                                       | 70      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| d5-NEtFOSA (S)                                                       | 62      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| d7-NMeFOSE (S)                                                       | 70      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| d9-NEtFOSE (S)                                                       | 73      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| 13C2-PFTA (S)                                                        | 78      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| 13C7-PFUDa (S)                                                       | 93      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| 13C24:2FTS (S)                                                       | 116     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| 13C26:2FTS (S)                                                       | 125     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |
| 13C28:2FTS (S)                                                       | 110     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 18:38 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-SW-CREEK02-0-241202 **Lab ID:** 10718154030 **Collected:** 12/02/24 13:35 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 49.8 mL Final Volume/Weight: 5 mL             |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0078 | ug/L  | 0.040  | 0.0078 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0048 | ug/L  | 0.040  | 0.0048 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0098 | ug/L  | 0.040  | 0.0098 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.011  | ug/L  | 0.040  | 0.011  | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0083 | ug/L  | 0.040  | 0.0083 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 756426-58-1 |      |
| ADONA                                                                | <0.0059 | ug/L  | 0.040  | 0.0059 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0078 | ug/L  | 0.040  | 0.0078 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0035 | ug/L  | 0.010  | 0.0035 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0026 | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.032  | ug/L  | 0.10   | 0.032  | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0032 | ug/L  | 0.010  | 0.0032 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0027 | ug/L  | 0.010  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.027  | ug/L  | 0.10   | 0.027  | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 24448-09-7  |      |
| PFBS                                                                 | <0.0032 | ug/L  | 0.010  | 0.0032 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 375-73-5    |      |
| PFDA                                                                 | <0.0018 | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 335-76-2    |      |
| PFHxA                                                                | 0.0039J | ug/L  | 0.010  | 0.0015 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 307-24-4    |      |
| PFBA                                                                 | 0.012J  | ug/L  | 0.040  | 0.0062 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 375-22-4    |      |
| PFDS                                                                 | <0.0027 | ug/L  | 0.010  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 335-77-3    |      |
| PFDoS                                                                | <0.0028 | ug/L  | 0.010  | 0.0028 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 79780-39-5  |      |
| PFHpS                                                                | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 375-92-8    |      |
| PFNS                                                                 | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 68259-12-1  |      |
| PFOSA                                                                | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 754-91-6    |      |
| PFPeA                                                                | <0.0030 | ug/L  | 0.020  | 0.0030 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 2706-90-3   |      |
| PFPeS                                                                | 0.0049J | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 2706-91-4   |      |
| PFDoA                                                                | <0.0022 | ug/L  | 0.010  | 0.0022 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 307-55-1    |      |
| PFHpA                                                                | <0.0021 | ug/L  | 0.010  | 0.0021 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 375-85-9    |      |
| PFHxS                                                                | 0.040   | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 355-46-4    |      |
| PFNA                                                                 | <0.0023 | ug/L  | 0.010  | 0.0023 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 375-95-1    |      |
| PFOS                                                                 | 0.022   | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 1763-23-1   |      |
| PFOA                                                                 | 0.0043J | ug/L  | 0.010  | 0.0034 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 335-67-1    |      |
| PFTeDA                                                               | <0.0029 | ug/L  | 0.010  | 0.0029 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0020 | ug/L  | 0.010  | 0.0020 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 72629-94-8  |      |
| PFUnA                                                                | <0.0025 | ug/L  | 0.010  | 0.0025 | 1  | 12/19/24 13:50 | 12/20/24 18:54 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |         |       |        |        |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 84      | %     | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |
| 13C3HFPO-DA (S)                                                      | 101     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |
| 13C3-PFBS (S)                                                        | 106     | %     | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |
| 13C3-PFHxS (S)                                                       | 105     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |
| 13C4-PFBA (S)                                                        | 101     | %     | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |
| 13C4-PFHpA (S)                                                       | 100     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |
| 13C5-PFHxA (S)                                                       | 102     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |
| 13C5-PFPeA (S)                                                       | 102     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |
| 13C6-PFDA (S)                                                        | 97      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 18:54 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-SW-CREEK02-0-241202 Lab ID: 10718154030 Collected: 12/02/24 13:35 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 49.8 mL Final Volume/Weight: 5 mL             |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 106     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| 13C8-PFOS (S)                                                        | 106     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| 13C8-PFOSA (S)                                                       | 89      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| 13C9-PFNA (S)                                                        | 95      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| d3-MeFOSAA (S)                                                       | 81      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| d3-NMeFOSA (S)                                                       | 64      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| d5-EtFOSAA (S)                                                       | 76      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| d5-NEtFOSA (S)                                                       | 63      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| d7-NMeFOSE (S)                                                       | 73      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| d9-NEtFOSE (S)                                                       | 76      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| 13C2-PFTA (S)                                                        | 83      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| 13C7-PFUDa (S)                                                       | 96      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| 13C24:2FTS (S)                                                       | 123     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| 13C26:2FTS (S)                                                       | 125     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |
| 13C28:2FTS (S)                                                       | 113     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 18:54 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-SW-CREEK03-0-241202 **Lab ID:** 10718154031 **Collected:** 12/02/24 14:15 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 50.1 mL Final Volume/Weight: 5 mL             |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0078 | ug/L  | 0.040  | 0.0078 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0048 | ug/L  | 0.040  | 0.0048 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0097 | ug/L  | 0.040  | 0.0097 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.010  | ug/L  | 0.040  | 0.010  | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0082 | ug/L  | 0.040  | 0.0082 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 756426-58-1 |      |
| ADONA                                                                | <0.0058 | ug/L  | 0.040  | 0.0058 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0078 | ug/L  | 0.040  | 0.0078 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0035 | ug/L  | 0.010  | 0.0035 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0026 | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.032  | ug/L  | 0.10   | 0.032  | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0032 | ug/L  | 0.010  | 0.0032 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0027 | ug/L  | 0.010  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.027  | ug/L  | 0.10   | 0.027  | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 24448-09-7  |      |
| PFBS                                                                 | 0.0056J | ug/L  | 0.010  | 0.0032 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 375-73-5    |      |
| PFDA                                                                 | <0.0018 | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 335-76-2    |      |
| PFHxA                                                                | 0.0081J | ug/L  | 0.010  | 0.0015 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 307-24-4    |      |
| PFBA                                                                 | 0.020J  | ug/L  | 0.040  | 0.0061 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 375-22-4    |      |
| PFDS                                                                 | <0.0026 | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 335-77-3    |      |
| PFDoS                                                                | <0.0028 | ug/L  | 0.010  | 0.0028 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 79780-39-5  |      |
| PFHpS                                                                | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 375-92-8    |      |
| PFNS                                                                 | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 68259-12-1  |      |
| PFOSA                                                                | 0.0074J | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 754-91-6    |      |
| PFPeA                                                                | 0.0032J | ug/L  | 0.020  | 0.0030 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 2706-90-3   |      |
| PFPeS                                                                | 0.0075J | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 2706-91-4   |      |
| PFDoA                                                                | <0.0022 | ug/L  | 0.010  | 0.0022 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 307-55-1    |      |
| PFHpA                                                                | <0.0021 | ug/L  | 0.010  | 0.0021 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 375-85-9    |      |
| PFHxS                                                                | 0.065   | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 355-46-4    |      |
| PFNA                                                                 | <0.0023 | ug/L  | 0.010  | 0.0023 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 375-95-1    |      |
| PFOS                                                                 | 0.042   | ug/L  | 0.010  | 0.0017 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 1763-23-1   |      |
| PFOA                                                                 | 0.0086J | ug/L  | 0.010  | 0.0034 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 335-67-1    |      |
| PFTeDA                                                               | <0.0028 | ug/L  | 0.010  | 0.0028 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0020 | ug/L  | 0.010  | 0.0020 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 72629-94-8  |      |
| PFUnA                                                                | <0.0025 | ug/L  | 0.010  | 0.0025 | 1  | 12/19/24 13:50 | 12/20/24 19:10 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |         |       |        |        |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 66      | %.    | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |
| 13C3HFPO-DA (S)                                                      | 95      | %.    | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |
| 13C3-PFBS (S)                                                        | 97      | %.    | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |
| 13C3-PFHxS (S)                                                       | 95      | %.    | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |
| 13C4-PFBA (S)                                                        | 93      | %.    | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |
| 13C4-PFHpA (S)                                                       | 92      | %.    | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |
| 13C5-PFHxA (S)                                                       | 93      | %.    | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |
| 13C5-PFPeA (S)                                                       | 93      | %.    | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |
| 13C6-PFDA (S)                                                        | 88      | %.    | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:10 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-SW-CREEK03-0-241202 Lab ID: 10718154031 Collected: 12/02/24 14:15 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 50.1 mL Final Volume/Weight: 5 mL             |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 97      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| 13C8-PFOS (S)                                                        | 94      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| 13C8-PFOSA (S)                                                       | 74      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| 13C9-PFNA (S)                                                        | 90      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| d3-MeFOSAA (S)                                                       | 71      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| d3-NMeFOSA (S)                                                       | 46      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| d5-EtFOSAA (S)                                                       | 65      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| d5-NEtFOSA (S)                                                       | 44      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| d7-NMeFOSE (S)                                                       | 51      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| d9-NEtFOSE (S)                                                       | 54      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| 13C2-PFTA (S)                                                        | 58      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| 13C7-PFUDa (S)                                                       | 81      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| 13C24:2FTS (S)                                                       | 114     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| 13C26:2FTS (S)                                                       | 112     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |
| 13C28:2FTS (S)                                                       | 102     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 19:10 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-SW-CREEK03-DB-241202 **Lab ID:** 10718154032 **Collected:** 12/02/24 14:15 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results | Units | LOQ    | LOD    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|---------|-------|--------|--------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 48.1 mL Final Volume/Weight: 5 mL             |         |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0081 | ug/L  | 0.042  | 0.0081 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0050 | ug/L  | 0.042  | 0.0050 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.010  | ug/L  | 0.042  | 0.010  | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.011  | ug/L  | 0.042  | 0.011  | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0086 | ug/L  | 0.042  | 0.0086 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 756426-58-1 |      |
| ADONA                                                                | <0.0061 | ug/L  | 0.042  | 0.0061 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0081 | ug/L  | 0.042  | 0.0081 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0036 | ug/L  | 0.010  | 0.0036 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0027 | ug/L  | 0.010  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.033  | ug/L  | 0.10   | 0.033  | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0033 | ug/L  | 0.010  | 0.0033 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0028 | ug/L  | 0.010  | 0.0028 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.028  | ug/L  | 0.10   | 0.028  | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 24448-09-7  |      |
| PFBS                                                                 | 0.0058J | ug/L  | 0.010  | 0.0033 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 375-73-5    |      |
| PFDA                                                                 | <0.0019 | ug/L  | 0.010  | 0.0019 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 335-76-2    |      |
| PFHxA                                                                | 0.0078J | ug/L  | 0.010  | 0.0016 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 307-24-4    |      |
| PFBA                                                                 | 0.020J  | ug/L  | 0.042  | 0.0064 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 375-22-4    |      |
| PFDS                                                                 | <0.0028 | ug/L  | 0.010  | 0.0028 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 335-77-3    |      |
| PFDoS                                                                | <0.0029 | ug/L  | 0.010  | 0.0029 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 79780-39-5  |      |
| PFHpS                                                                | <0.0025 | ug/L  | 0.010  | 0.0025 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 375-92-8    |      |
| PFNS                                                                 | <0.0025 | ug/L  | 0.010  | 0.0025 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 68259-12-1  |      |
| PFOSA                                                                | 0.0032J | ug/L  | 0.010  | 0.0025 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 754-91-6    |      |
| PFPeA                                                                | 0.0035J | ug/L  | 0.021  | 0.0031 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 2706-90-3   |      |
| PFPeS                                                                | 0.0076J | ug/L  | 0.010  | 0.0019 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 2706-91-4   |      |
| PFDoA                                                                | <0.0023 | ug/L  | 0.010  | 0.0023 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 307-55-1    |      |
| PFHpA                                                                | 0.0029J | ug/L  | 0.010  | 0.0022 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 375-85-9    |      |
| PFHxS                                                                | 0.059   | ug/L  | 0.010  | 0.0027 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 355-46-4    |      |
| PFNA                                                                 | <0.0024 | ug/L  | 0.010  | 0.0024 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 375-95-1    |      |
| PFOS                                                                 | 0.029   | ug/L  | 0.010  | 0.0018 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 1763-23-1   |      |
| PFOA                                                                 | 0.0077J | ug/L  | 0.010  | 0.0036 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 335-67-1    |      |
| PFTeDA                                                               | <0.0030 | ug/L  | 0.010  | 0.0030 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 376-06-7    |      |
| PFTTrDA                                                              | <0.0021 | ug/L  | 0.010  | 0.0021 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 72629-94-8  |      |
| PFUnA                                                                | <0.0026 | ug/L  | 0.010  | 0.0026 | 1  | 12/19/24 13:50 | 12/20/24 19:25 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |         |       |        |        |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 75      | %     | 10-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |
| 13C3HFPO-DA (S)                                                      | 102     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |
| 13C3-PFBS (S)                                                        | 107     | %     | 40-135 |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |
| 13C3-PFHxS (S)                                                       | 105     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |
| 13C4-PFBA (S)                                                        | 102     | %     | 5-130  |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |
| 13C4-PFHpA (S)                                                       | 101     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |
| 13C5-PFHxA (S)                                                       | 103     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |
| 13C5-PFPeA (S)                                                       | 101     | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |
| 13C6-PFDA (S)                                                        | 93      | %     | 40-130 |        | 1  | 12/19/24 13:50 | 12/20/24 19:25 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-SW-CREEK03-DB-241202 Lab ID: 10718154032 Collected: 12/02/24 14:15 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 48.1 mL Final Volume/Weight: 5 mL             |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 111     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| 13C8-PFOS (S)                                                        | 100     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| 13C8-PFOSA (S)                                                       | 82      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| 13C9-PFNA (S)                                                        | 99      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| d3-MeFOSAA (S)                                                       | 77      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| d3-NMeFOSA (S)                                                       | 53      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| d5-EtFOSAA (S)                                                       | 71      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| d5-NEtFOSA (S)                                                       | 51      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| d7-NMeFOSE (S)                                                       | 59      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| d9-NEtFOSE (S)                                                       | 61      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| 13C2-PFTA (S)                                                        | 70      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| 13C7-PFUDa (S)                                                       | 89      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| 13C24:2FTS (S)                                                       | 121     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| 13C26:2FTS (S)                                                       | 124     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |
| 13C28:2FTS (S)                                                       | 106     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 19:25 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-SW-CREEK04-0-241202 **Lab ID:** 10718154033 **Collected:** 12/02/24 13:30 **Received:** 12/09/24 08:50 **Matrix:** Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 99.7 mL Final Volume/Weight: 5 mL             |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.0039  | ug/L  | 0.020  | 0.0039  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.0024  | ug/L  | 0.020  | 0.0024  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0049  | ug/L  | 0.020  | 0.0049  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0053  | ug/L  | 0.020  | 0.0053  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.0041  | ug/L  | 0.020  | 0.0041  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 756426-58-1 |      |
| ADONA                                                                | <0.0029  | ug/L  | 0.020  | 0.0029  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.0039  | ug/L  | 0.020  | 0.0039  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.0017  | ug/L  | 0.0050 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.016   | ug/L  | 0.050  | 0.016   | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.0016  | ug/L  | 0.0050 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.013   | ug/L  | 0.050  | 0.013   | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 24448-09-7  |      |
| PFBS                                                                 | 0.0028J  | ug/L  | 0.0050 | 0.0016  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 375-73-5    |      |
| PFDA                                                                 | <0.00089 | ug/L  | 0.0050 | 0.00089 | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 335-76-2    |      |
| PFHxA                                                                | 0.0024J  | ug/L  | 0.0050 | 0.00076 | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 307-24-4    |      |
| PFBA                                                                 | 0.011J   | ug/L  | 0.020  | 0.0031  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 375-22-4    |      |
| PFDS                                                                 | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 335-77-3    |      |
| PFDoS                                                                | <0.0014  | ug/L  | 0.0050 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 79780-39-5  |      |
| PFHpS                                                                | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 375-92-8    |      |
| PFNS                                                                 | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 68259-12-1  |      |
| PFOSA                                                                | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 754-91-6    |      |
| PFPeA                                                                | <0.0015  | ug/L  | 0.010  | 0.0015  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 2706-90-3   |      |
| PFPeS                                                                | 0.0031J  | ug/L  | 0.0050 | 0.00091 | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 2706-91-4   |      |
| PFDoA                                                                | <0.0011  | ug/L  | 0.0050 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 307-55-1    |      |
| PFHpA                                                                | <0.0011  | ug/L  | 0.0050 | 0.0011  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 375-85-9    |      |
| PFHxS                                                                | 0.028    | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 355-46-4    |      |
| PFNA                                                                 | <0.0012  | ug/L  | 0.0050 | 0.0012  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 375-95-1    |      |
| PFOS                                                                 | 0.0095   | ug/L  | 0.0050 | 0.00088 | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 1763-23-1   |      |
| PFOA                                                                 | 0.0031J  | ug/L  | 0.0050 | 0.0017  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 335-67-1    |      |
| PFTeDA                                                               | <0.0014  | ug/L  | 0.0050 | 0.0014  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 376-06-7    |      |
| PFTrDA                                                               | <0.00099 | ug/L  | 0.0050 | 0.00099 | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 72629-94-8  |      |
| PFUnA                                                                | <0.0013  | ug/L  | 0.0050 | 0.0013  | 1  | 12/19/24 13:50 | 12/20/24 19:41 | 2058-94-8   |      |
| <b>Surrogates</b>                                                    |          |       |        |         |    |                |                |             |      |
| 13C2-PFDoA (S)                                                       | 85       | %     | 10-130 |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |
| 13C3HFPO-DA (S)                                                      | 108      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |
| 13C3-PFBS (S)                                                        | 112      | %     | 40-135 |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |
| 13C3-PFHxS (S)                                                       | 112      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |
| 13C4-PFBA (S)                                                        | 103      | %     | 5-130  |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |
| 13C4-PFHpA (S)                                                       | 101      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |
| 13C5-PFHxA (S)                                                       | 104      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |
| 13C5-PFPeA (S)                                                       | 104      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |
| 13C6-PFDA (S)                                                        | 102      | %     | 40-130 |         | 1  | 12/19/24 13:50 | 12/20/24 19:41 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-SW-CREEK04-0-241202 Lab ID: 10718154033 Collected: 12/02/24 13:30 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results | Units | LOQ    | LOD | DF | Prepared       | Analyzed       | CAS No. | Qual |
|----------------------------------------------------------------------|---------|-------|--------|-----|----|----------------|----------------|---------|------|
| <b>EPA 1633 DRAFT Water</b>                                          |         |       |        |     |    |                |                |         |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |         |       |        |     |    |                |                |         |      |
| Initial Volume/Weight: 99.7 mL Final Volume/Weight: 5 mL             |         |       |        |     |    |                |                |         |      |
| Pace Analytical Services - Minneapolis                               |         |       |        |     |    |                |                |         |      |
| <b>Surrogates</b>                                                    |         |       |        |     |    |                |                |         |      |
| 13C8-PFOA (S)                                                        | 113     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| 13C8-PFOS (S)                                                        | 109     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| 13C8-PFOSA (S)                                                       | 94      | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| 13C9-PFNA (S)                                                        | 100     | %.    | 40-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| d3-MeFOSAA (S)                                                       | 85      | %.    | 40-170 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| d3-NMeFOSA (S)                                                       | 68      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| d5-EtFOSAA (S)                                                       | 82      | %.    | 25-135 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| d5-NEtFOSA (S)                                                       | 67      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| d7-NMeFOSE (S)                                                       | 76      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| d9-NEtFOSE (S)                                                       | 79      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| 13C2-PFTA (S)                                                        | 81      | %.    | 10-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| 13C7-PFUDa (S)                                                       | 95      | %.    | 30-130 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| 13C24:2FTS (S)                                                       | 127     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| 13C26:2FTS (S)                                                       | 131     | %.    | 40-200 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |
| 13C28:2FTS (S)                                                       | 115     | %.    | 40-300 |     | 1  | 12/19/24 13:50 | 12/20/24 19:41 |         |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-TB1-TB-241205 Lab ID: 10718154034 Collected: 12/05/24 10:30 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 501.3 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00078 | ug/L  | 0.0040 | 0.00078 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00048 | ug/L  | 0.0040 | 0.00048 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.00097 | ug/L  | 0.0040 | 0.00097 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0010  | ug/L  | 0.0040 | 0.0010  | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00082 | ug/L  | 0.0040 | 0.00082 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 756426-58-1 |      |
| ADONA                                                                | <0.00058 | ug/L  | 0.0040 | 0.00058 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00078 | ug/L  | 0.0040 | 0.00078 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00035 | ug/L  | 0.0010 | 0.00035 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0032  | ug/L  | 0.010  | 0.0032  | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00032 | ug/L  | 0.0010 | 0.00032 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00027 | ug/L  | 0.0010 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0027  | ug/L  | 0.010  | 0.0027  | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 24448-09-7  |      |
| PFBS                                                                 | <0.00032 | ug/L  | 0.0010 | 0.00032 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 375-73-5    |      |
| PFDA                                                                 | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 335-76-2    |      |
| PFHxA                                                                | <0.00015 | ug/L  | 0.0010 | 0.00015 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 307-24-4    |      |
| PFBA                                                                 | <0.00061 | ug/L  | 0.0040 | 0.00061 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 375-22-4    |      |
| PFDS                                                                 | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 335-77-3    |      |
| PFDoS                                                                | <0.00028 | ug/L  | 0.0010 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 79780-39-5  |      |
| PFHpS                                                                | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 375-92-8    |      |
| PFNS                                                                 | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 68259-12-1  |      |
| PFOSA                                                                | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 754-91-6    |      |
| PFPeA                                                                | <0.00030 | ug/L  | 0.0020 | 0.00030 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 2706-90-3   |      |
| PFPeS                                                                | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 2706-91-4   |      |
| PFDaA                                                                | <0.00022 | ug/L  | 0.0010 | 0.00022 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 307-55-1    |      |
| PFHpA                                                                | <0.00021 | ug/L  | 0.0010 | 0.00021 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 375-85-9    |      |
| PFHxS                                                                | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 355-46-4    |      |
| PFNA                                                                 | <0.00023 | ug/L  | 0.0010 | 0.00023 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 375-95-1    |      |
| PFOS                                                                 | <0.00017 | ug/L  | 0.0010 | 0.00017 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 1763-23-1   |      |
| PFOA                                                                 | <0.00034 | ug/L  | 0.0010 | 0.00034 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 335-67-1    |      |
| PFTeDA                                                               | <0.00028 | ug/L  | 0.0010 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00020 | ug/L  | 0.0010 | 0.00020 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 72629-94-8  |      |
| PFUnA                                                                | <0.00025 | ug/L  | 0.0010 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 13:46 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 82       | %     | 10-130 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C3HFPO-DA (S)                                                      | 94       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C3-PFBS (S)                                                        | 104      | %     | 40-135 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C3-PFHxS (S)                                                       | 99       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C4-PFBA (S)                                                        | 92       | %     | 5-130  |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C4-PFHpA (S)                                                       | 94       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C5-PFHxA (S)                                                       | 94       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C5-PFPeA (S)                                                       | 95       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C6-PFDA (S)                                                        | 94       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |
| 13C8-PFOA (S)                                                        | 93       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 13:46 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-TB1-TB-241205 Lab ID: 10718154034 Collected: 12/05/24 10:30 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 501.3 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |    |    |        |  |   |                |                |  |  |
|----------------|----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 97 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| 13C8-PFOSA (S) | 88 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| 13C9-PFNA (S)  | 91 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| d3-MeFOSAA (S) | 82 | %. | 40-170 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| d3-NMeFOSA (S) | 77 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| d5-EtFOSAA (S) | 80 | %. | 25-135 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| d5-NEtFOSA (S) | 81 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| d7-NMeFOSE (S) | 80 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| d9-NEtFOSE (S) | 96 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| 13C2-PFTA (S)  | 79 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| 13C7-PFUDa (S) | 89 | %. | 30-130 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| 13C24:2FTS (S) | 87 | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| 13C26:2FTS (S) | 93 | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |
| 13C28:2FTS (S) | 88 | %. | 40-300 |  | 1 | 12/17/24 08:18 | 12/18/24 13:46 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-FB1-FB-241204 Lab ID: 10718154035 Collected: 12/04/24 12:00 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 491.2 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00079 | ug/L  | 0.0041 | 0.00079 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00049 | ug/L  | 0.0041 | 0.00049 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.00099 | ug/L  | 0.0041 | 0.00099 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0041 | 0.0011  | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00084 | ug/L  | 0.0041 | 0.00084 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 756426-58-1 |      |
| ADONA                                                                | <0.00060 | ug/L  | 0.0041 | 0.00060 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00079 | ug/L  | 0.0041 | 0.00079 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00035 | ug/L  | 0.0010 | 0.00035 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0033  | ug/L  | 0.010  | 0.0033  | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00032 | ug/L  | 0.0010 | 0.00032 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00027 | ug/L  | 0.0010 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0027  | ug/L  | 0.010  | 0.0027  | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 24448-09-7  |      |
| PFBS                                                                 | <0.00033 | ug/L  | 0.0010 | 0.00033 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 375-73-5    |      |
| PFDA                                                                 | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 335-76-2    |      |
| PFHxA                                                                | <0.00015 | ug/L  | 0.0010 | 0.00015 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 307-24-4    |      |
| PFBA                                                                 | <0.00062 | ug/L  | 0.0041 | 0.00062 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 375-22-4    |      |
| PFDS                                                                 | <0.00027 | ug/L  | 0.0010 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 335-77-3    |      |
| PFDoS                                                                | <0.00028 | ug/L  | 0.0010 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 79780-39-5  |      |
| PFHpS                                                                | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 375-92-8    |      |
| PFNS                                                                 | <0.00025 | ug/L  | 0.0010 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 68259-12-1  |      |
| PFOSA                                                                | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 754-91-6    |      |
| PFPeA                                                                | <0.00030 | ug/L  | 0.0020 | 0.00030 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 2706-90-3   |      |
| PFPeS                                                                | <0.00019 | ug/L  | 0.0010 | 0.00019 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 2706-91-4   |      |
| PFDaA                                                                | <0.00023 | ug/L  | 0.0010 | 0.00023 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 307-55-1    |      |
| PFHpA                                                                | <0.00022 | ug/L  | 0.0010 | 0.00022 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 375-85-9    |      |
| PFHxS                                                                | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 355-46-4    |      |
| PFNA                                                                 | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 375-95-1    |      |
| PFOS                                                                 | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 1763-23-1   |      |
| PFOA                                                                 | <0.00035 | ug/L  | 0.0010 | 0.00035 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 335-67-1    |      |
| PFTeDA                                                               | <0.00029 | ug/L  | 0.0010 | 0.00029 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00020 | ug/L  | 0.0010 | 0.00020 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 72629-94-8  |      |
| PFUnA                                                                | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:02 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 85       | %     | 10-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C3HFPO-DA (S)                                                      | 96       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C3-PFBS (S)                                                        | 104      | %     | 40-135 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C3-PFHxS (S)                                                       | 101      | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C4-PFBA (S)                                                        | 93       | %     | 5-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C4-PFHpA (S)                                                       | 94       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C5-PFHxA (S)                                                       | 94       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C5-PFPeA (S)                                                       | 96       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C6-PFDA (S)                                                        | 94       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |
| 13C8-PFOA (S)                                                        | 93       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:02 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-FB1-FB-241204 Lab ID: 10718154035 Collected: 12/04/24 12:00 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 491.2 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

### Surrogates

|                |    |    |        |  |   |                |                |
|----------------|----|----|--------|--|---|----------------|----------------|
| 13C8-PFOS (S)  | 96 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| 13C8-PFOSA (S) | 89 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| 13C9-PFNA (S)  | 89 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| d3-MeFOSAA (S) | 83 | %. | 40-170 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| d3-NMeFOSA (S) | 74 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| d5-EtFOSAA (S) | 79 | %. | 25-135 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| d5-NEtFOSA (S) | 77 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| d7-NMeFOSE (S) | 81 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| d9-NEtFOSE (S) | 98 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| 13C2-PFTA (S)  | 82 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| 13C7-PFUDa (S) | 88 | %. | 30-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| 13C24:2FTS (S) | 86 | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| 13C26:2FTS (S) | 94 | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |
| 13C28:2FTS (S) | 90 | %. | 40-300 |  | 1 | 12/17/24 08:18 | 12/18/24 14:02 |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-FB2-FB-241204 Lab ID: 10718154036 Collected: 12/04/24 15:20 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ     | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|---------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |         |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |         |         |    |                |                |             |      |
| Initial Volume/Weight: 506.3 mL Final Volume/Weight: 5 mL            |          |       |         |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |         |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00077 | ug/L  | 0.0040  | 0.00077 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00048 | ug/L  | 0.0040  | 0.00048 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.00096 | ug/L  | 0.0040  | 0.00096 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0010  | ug/L  | 0.0040  | 0.0010  | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00081 | ug/L  | 0.0040  | 0.00081 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 756426-58-1 |      |
| ADONA                                                                | <0.00058 | ug/L  | 0.0040  | 0.00058 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00077 | ug/L  | 0.0040  | 0.00077 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00034 | ug/L  | 0.00099 | 0.00034 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00025 | ug/L  | 0.00099 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0032  | ug/L  | 0.0099  | 0.0032  | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00032 | ug/L  | 0.00099 | 0.00032 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00026 | ug/L  | 0.00099 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0026  | ug/L  | 0.0099  | 0.0026  | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 24448-09-7  |      |
| PFBS                                                                 | <0.00032 | ug/L  | 0.00099 | 0.00032 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 375-73-5    |      |
| PFDA                                                                 | <0.00018 | ug/L  | 0.00099 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 335-76-2    |      |
| PFHxA                                                                | <0.00015 | ug/L  | 0.00099 | 0.00015 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 307-24-4    |      |
| PFBA                                                                 | <0.00061 | ug/L  | 0.0040  | 0.00061 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 375-22-4    |      |
| PFDS                                                                 | <0.00026 | ug/L  | 0.00099 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 335-77-3    |      |
| PFDoS                                                                | <0.00027 | ug/L  | 0.00099 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 79780-39-5  |      |
| PFHpS                                                                | <0.00024 | ug/L  | 0.00099 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 375-92-8    |      |
| PFNS                                                                 | <0.00024 | ug/L  | 0.00099 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 68259-12-1  |      |
| PFOSA                                                                | <0.00024 | ug/L  | 0.00099 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 754-91-6    |      |
| PFPeA                                                                | <0.00030 | ug/L  | 0.0020  | 0.00030 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 2706-90-3   |      |
| PFPeS                                                                | <0.00018 | ug/L  | 0.00099 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 2706-91-4   |      |
| PFDaA                                                                | <0.00022 | ug/L  | 0.00099 | 0.00022 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 307-55-1    |      |
| PFHpA                                                                | <0.00021 | ug/L  | 0.00099 | 0.00021 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 375-85-9    |      |
| PFHxS                                                                | <0.00026 | ug/L  | 0.00099 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 355-46-4    |      |
| PFNA                                                                 | <0.00023 | ug/L  | 0.00099 | 0.00023 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 375-95-1    |      |
| PFOS                                                                 | <0.00017 | ug/L  | 0.00099 | 0.00017 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 1763-23-1   |      |
| PFOA                                                                 | <0.00034 | ug/L  | 0.00099 | 0.00034 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 335-67-1    |      |
| PFTeDA                                                               | <0.00028 | ug/L  | 0.00099 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00020 | ug/L  | 0.00099 | 0.00020 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 72629-94-8  |      |
| PFUnA                                                                | <0.00025 | ug/L  | 0.00099 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 14:18 | 2058-94-8   |      |
| Surrogates                                                           |          |       |         |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 89       | %     | 10-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C3HFPO-DA (S)                                                      | 102      | %     | 40-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C3-PFBS (S)                                                        | 105      | %     | 40-135  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C3-PFHxS (S)                                                       | 103      | %     | 40-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C4-PFBA (S)                                                        | 95       | %     | 5-130   |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C4-PFHpA (S)                                                       | 98       | %     | 40-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C5-PFHxA (S)                                                       | 98       | %     | 40-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C5-PFPeA (S)                                                       | 99       | %     | 40-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C6-PFDA (S)                                                        | 99       | %     | 40-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |
| 13C8-PFOA (S)                                                        | 97       | %     | 40-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:18 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-W-FB2-FB-241204 **Lab ID:** 10718154036 Collected: 12/04/24 15:20 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

**EPA 1633 DRAFT Water**

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 506.3 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

**Surrogates**

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 102 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| 13C8-PFOSA (S) | 94  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| 13C9-PFNA (S)  | 93  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| d3-MeFOSAA (S) | 89  | %. | 40-170 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| d3-NMeFOSA (S) | 83  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| d5-EtFOSAA (S) | 87  | %. | 25-135 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| d5-NEtFOSA (S) | 85  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| d7-NMeFOSE (S) | 82  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| d9-NEtFOSE (S) | 101 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| 13C2-PFTA (S)  | 85  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| 13C7-PFUDa (S) | 93  | %. | 30-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| 13C24:2FTS (S) | 89  | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| 13C26:2FTS (S) | 94  | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |
| 13C28:2FTS (S) | 92  | %. | 40-300 |  | 1 | 12/17/24 08:18 | 12/18/24 14:18 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-FB3-FB-241205 Lab ID: 10718154037 Collected: 12/05/24 08:25 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 488.8 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00080 | ug/L  | 0.0041 | 0.00080 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00049 | ug/L  | 0.0041 | 0.00049 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0010  | ug/L  | 0.0041 | 0.0010  | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0041 | 0.0011  | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00084 | ug/L  | 0.0041 | 0.00084 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 756426-58-1 |      |
| ADONA                                                                | <0.00060 | ug/L  | 0.0041 | 0.00060 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00080 | ug/L  | 0.0041 | 0.00080 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00036 | ug/L  | 0.0010 | 0.00036 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0033  | ug/L  | 0.010  | 0.0033  | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00033 | ug/L  | 0.0010 | 0.00033 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00027 | ug/L  | 0.0010 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0027  | ug/L  | 0.010  | 0.0027  | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 24448-09-7  |      |
| PFBS                                                                 | <0.00033 | ug/L  | 0.0010 | 0.00033 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 375-73-5    |      |
| PFDA                                                                 | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 335-76-2    |      |
| PFHxA                                                                | <0.00015 | ug/L  | 0.0010 | 0.00015 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 307-24-4    |      |
| PFBA                                                                 | <0.00063 | ug/L  | 0.0041 | 0.00063 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 375-22-4    |      |
| PFDS                                                                 | <0.00027 | ug/L  | 0.0010 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 335-77-3    |      |
| PFDoS                                                                | <0.00028 | ug/L  | 0.0010 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 79780-39-5  |      |
| PFHpS                                                                | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 375-92-8    |      |
| PFNS                                                                 | <0.00025 | ug/L  | 0.0010 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 68259-12-1  |      |
| PFOSA                                                                | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 754-91-6    |      |
| PFPeA                                                                | <0.00031 | ug/L  | 0.0020 | 0.00031 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 2706-90-3   |      |
| PFPeS                                                                | <0.00019 | ug/L  | 0.0010 | 0.00019 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 2706-91-4   |      |
| PFDaA                                                                | <0.00023 | ug/L  | 0.0010 | 0.00023 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 307-55-1    |      |
| PFHpA                                                                | <0.00022 | ug/L  | 0.0010 | 0.00022 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 375-85-9    |      |
| PFHxS                                                                | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 355-46-4    |      |
| PFNA                                                                 | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 375-95-1    |      |
| PFOS                                                                 | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 1763-23-1   |      |
| PFOA                                                                 | <0.00035 | ug/L  | 0.0010 | 0.00035 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 335-67-1    |      |
| PFTeDA                                                               | <0.00029 | ug/L  | 0.0010 | 0.00029 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00020 | ug/L  | 0.0010 | 0.00020 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 72629-94-8  |      |
| PFUnA                                                                | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:33 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 89       | %     | 10-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C3HFPO-DA (S)                                                      | 98       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C3-PFBS (S)                                                        | 106      | %     | 40-135 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C3-PFHxS (S)                                                       | 101      | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C4-PFBA (S)                                                        | 95       | %     | 5-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C4-PFHpA (S)                                                       | 95       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C5-PFHxA (S)                                                       | 95       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C5-PFPeA (S)                                                       | 97       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C6-PFDA (S)                                                        | 96       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |
| 13C8-PFOA (S)                                                        | 93       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:33 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-FB3-FB-241205 Lab ID: 10718154037 Collected: 12/05/24 08:25 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

## EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 488.8 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

## Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 95  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| 13C8-PFOSA (S) | 93  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| 13C9-PFNA (S)  | 93  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| d3-MeFOSAA (S) | 89  | %. | 40-170 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| d3-NMeFOSA (S) | 81  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| d5-EtFOSAA (S) | 87  | %. | 25-135 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| d5-NEtFOSA (S) | 83  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| d7-NMeFOSE (S) | 82  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| d9-NEtFOSE (S) | 101 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| 13C2-PFTA (S)  | 84  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| 13C7-PFUDa (S) | 94  | %. | 30-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| 13C24:2FTS (S) | 87  | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| 13C26:2FTS (S) | 94  | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |
| 13C28:2FTS (S) | 94  | %. | 40-300 |  | 1 | 12/17/24 08:18 | 12/18/24 14:33 |  |  |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-FB4-FB-241205 Lab ID: 10718154038 Collected: 12/05/24 13:00 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 496.9 mL Final Volume/Weight: 5 mL            |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00078 | ug/L  | 0.0040 | 0.00078 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00049 | ug/L  | 0.0040 | 0.00049 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.00098 | ug/L  | 0.0040 | 0.00098 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0040 | 0.0011  | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00083 | ug/L  | 0.0040 | 0.00083 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 756426-58-1 |      |
| ADONA                                                                | <0.00059 | ug/L  | 0.0040 | 0.00059 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00078 | ug/L  | 0.0040 | 0.00078 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00035 | ug/L  | 0.0010 | 0.00035 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0032  | ug/L  | 0.010  | 0.0032  | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00032 | ug/L  | 0.0010 | 0.00032 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00027 | ug/L  | 0.0010 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0027  | ug/L  | 0.010  | 0.0027  | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 24448-09-7  |      |
| PFBS                                                                 | <0.00032 | ug/L  | 0.0010 | 0.00032 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 375-73-5    |      |
| PFDA                                                                 | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 335-76-2    |      |
| PFHxA                                                                | <0.00015 | ug/L  | 0.0010 | 0.00015 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 307-24-4    |      |
| PFBA                                                                 | <0.00062 | ug/L  | 0.0040 | 0.00062 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 375-22-4    |      |
| PFDS                                                                 | <0.00027 | ug/L  | 0.0010 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 335-77-3    |      |
| PFDoS                                                                | <0.00028 | ug/L  | 0.0010 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 79780-39-5  |      |
| PFHpS                                                                | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 375-92-8    |      |
| PFNS                                                                 | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 68259-12-1  |      |
| PFOSA                                                                | <0.00024 | ug/L  | 0.0010 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 754-91-6    |      |
| PFPeA                                                                | <0.00030 | ug/L  | 0.0020 | 0.00030 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 2706-90-3   |      |
| PFPeS                                                                | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 2706-91-4   |      |
| PFDaA                                                                | <0.00022 | ug/L  | 0.0010 | 0.00022 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 307-55-1    |      |
| PFHpA                                                                | <0.00021 | ug/L  | 0.0010 | 0.00021 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 375-85-9    |      |
| PFHxS                                                                | <0.00026 | ug/L  | 0.0010 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 355-46-4    |      |
| PFNA                                                                 | <0.00023 | ug/L  | 0.0010 | 0.00023 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 375-95-1    |      |
| PFOS                                                                 | <0.00018 | ug/L  | 0.0010 | 0.00018 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 1763-23-1   |      |
| PFOA                                                                 | <0.00034 | ug/L  | 0.0010 | 0.00034 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 335-67-1    |      |
| PFTeDA                                                               | <0.00029 | ug/L  | 0.0010 | 0.00029 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00020 | ug/L  | 0.0010 | 0.00020 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 72629-94-8  |      |
| PFUnA                                                                | <0.00025 | ug/L  | 0.0010 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 14:49 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 85       | %     | 10-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C3HFPO-DA (S)                                                      | 100      | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C3-PFBS (S)                                                        | 106      | %     | 40-135 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C3-PFHxS (S)                                                       | 104      | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C4-PFBA (S)                                                        | 96       | %     | 5-130  |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C4-PFHpA (S)                                                       | 94       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C5-PFHxA (S)                                                       | 97       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C5-PFPeA (S)                                                       | 98       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C6-PFDA (S)                                                        | 93       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |
| 13C8-PFOA (S)                                                        | 95       | %     | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 14:49 |             |      |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

**Sample:** MEWI-W-FB4-FB-241205 **Lab ID:** 10718154038 Collected: 12/05/24 13:00 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

**EPA 1633 DRAFT Water**

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 496.9 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

**Surrogates**

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 101 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| 13C8-PFOSA (S) | 92  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| 13C9-PFNA (S)  | 91  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| d3-MeFOSAA (S) | 87  | %. | 40-170 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| d3-NMeFOSA (S) | 85  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| d5-EtFOSAA (S) | 85  | %. | 25-135 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| d5-NEtFOSA (S) | 88  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| d7-NMeFOSE (S) | 85  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| d9-NEtFOSE (S) | 103 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| 13C2-PFTA (S)  | 83  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| 13C7-PFUDa (S) | 90  | %. | 30-130 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| 13C24:2FTS (S) | 91  | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| 13C26:2FTS (S) | 94  | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |
| 13C28:2FTS (S) | 90  | %. | 40-300 |  | 1 | 12/17/24 08:18 | 12/18/24 14:49 |  |  |

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-EB1-EB-241205 Lab ID: 10718154039 Collected: 12/05/24 14:00 Received: 12/09/24 08:50 Matrix: Water

| Parameters                                                           | Results  | Units | LOQ    | LOD     | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|----------------------------------------------------------------------|----------|-------|--------|---------|----|----------------|----------------|-------------|------|
| EPA 1633 DRAFT Water                                                 |          |       |        |         |    |                |                |             |      |
| Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT |          |       |        |         |    |                |                |             |      |
| Initial Volume/Weight: 469 mL Final Volume/Weight: 5 mL              |          |       |        |         |    |                |                |             |      |
| Pace Analytical Services - Minneapolis                               |          |       |        |         |    |                |                |             |      |
| 11CI-PF3OUdS                                                         | <0.00083 | ug/L  | 0.0043 | 0.00083 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 763051-92-9 |      |
| 4:2 FTS                                                              | <0.00051 | ug/L  | 0.0043 | 0.00051 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 757124-72-4 |      |
| 6:2 FTS                                                              | <0.0010  | ug/L  | 0.0043 | 0.0010  | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 27619-97-2  |      |
| 8:2 FTS                                                              | <0.0011  | ug/L  | 0.0043 | 0.0011  | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 39108-34-4  |      |
| 9CI-PF3ONS                                                           | <0.00088 | ug/L  | 0.0043 | 0.00088 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 756426-58-1 |      |
| ADONA                                                                | <0.00062 | ug/L  | 0.0043 | 0.00062 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 919005-14-4 |      |
| HFPO-DA                                                              | <0.00083 | ug/L  | 0.0043 | 0.00083 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 13252-13-6  |      |
| NEtFOSAA                                                             | <0.00037 | ug/L  | 0.0011 | 0.00037 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 2991-50-6   |      |
| NEtFOSA                                                              | <0.00027 | ug/L  | 0.0011 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 4151-50-2   |      |
| NEtFOSE                                                              | <0.0034  | ug/L  | 0.011  | 0.0034  | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 1691-99-2   |      |
| NMeFOSAA                                                             | <0.00034 | ug/L  | 0.0011 | 0.00034 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 2355-31-9   |      |
| NMeFOSA                                                              | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 31506-32-8  |      |
| NMeFOSE                                                              | <0.0028  | ug/L  | 0.011  | 0.0028  | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 24448-09-7  |      |
| PFBS                                                                 | <0.00034 | ug/L  | 0.0011 | 0.00034 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 375-73-5    |      |
| PFDA                                                                 | <0.00019 | ug/L  | 0.0011 | 0.00019 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 335-76-2    |      |
| PFHxA                                                                | <0.00016 | ug/L  | 0.0011 | 0.00016 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 307-24-4    |      |
| PFBA                                                                 | <0.00065 | ug/L  | 0.0043 | 0.00065 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 375-22-4    |      |
| PFDS                                                                 | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 335-77-3    |      |
| PFDoS                                                                | <0.00030 | ug/L  | 0.0011 | 0.00030 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 79780-39-5  |      |
| PFHpS                                                                | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 375-92-8    |      |
| PFNS                                                                 | <0.00026 | ug/L  | 0.0011 | 0.00026 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 68259-12-1  |      |
| PFOSA                                                                | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 754-91-6    |      |
| PFPeA                                                                | <0.00032 | ug/L  | 0.0021 | 0.00032 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 2706-90-3   |      |
| PFPeS                                                                | <0.00019 | ug/L  | 0.0011 | 0.00019 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 2706-91-4   |      |
| PFDaA                                                                | <0.00024 | ug/L  | 0.0011 | 0.00024 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 307-55-1    |      |
| PFHpA                                                                | <0.00023 | ug/L  | 0.0011 | 0.00023 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 375-85-9    |      |
| PFHxS                                                                | <0.00028 | ug/L  | 0.0011 | 0.00028 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 355-46-4    |      |
| PFNA                                                                 | <0.00025 | ug/L  | 0.0011 | 0.00025 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 375-95-1    |      |
| PFOS                                                                 | 0.00023J | ug/L  | 0.0011 | 0.00019 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 1763-23-1   |      |
| PFOA                                                                 | <0.00036 | ug/L  | 0.0011 | 0.00036 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 335-67-1    |      |
| PFTeDA                                                               | <0.00030 | ug/L  | 0.0011 | 0.00030 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 376-06-7    |      |
| PFTTrDA                                                              | <0.00021 | ug/L  | 0.0011 | 0.00021 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 72629-94-8  |      |
| PFUnA                                                                | <0.00027 | ug/L  | 0.0011 | 0.00027 | 1  | 12/17/24 08:18 | 12/18/24 15:05 | 2058-94-8   |      |
| Surrogates                                                           |          |       |        |         |    |                |                |             |      |
| 13C2-PFDaA (S)                                                       | 89       | %.    | 10-130 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C3HFPO-DA (S)                                                      | 96       | %.    | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C3-PFBS (S)                                                        | 103      | %.    | 40-135 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C3-PFHxS (S)                                                       | 100      | %.    | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C4-PFBA (S)                                                        | 94       | %.    | 5-130  |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C4-PFHpA (S)                                                       | 93       | %.    | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C5-PFHxA (S)                                                       | 96       | %.    | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C5-PFPeA (S)                                                       | 98       | %.    | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C6-PFDA (S)                                                        | 95       | %.    | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |
| 13C8-PFOA (S)                                                        | 96       | %.    | 40-130 |         | 1  | 12/17/24 08:18 | 12/18/24 15:05 |             |      |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

Sample: MEWI-W-EB1-EB-241205 Lab ID: 10718154039 Collected: 12/05/24 14:00 Received: 12/09/24 08:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|
|------------|---------|-------|-----|-----|----|----------|----------|---------|------|

### EPA 1633 DRAFT Water

Analytical Method: EPA 1633 DRAFT Preparation Method: EPA 1633 DRAFT

Initial Volume/Weight: 469 mL Final Volume/Weight: 5 mL

Pace Analytical Services - Minneapolis

#### Surrogates

|                |     |    |        |  |   |                |                |  |  |
|----------------|-----|----|--------|--|---|----------------|----------------|--|--|
| 13C8-PFOS (S)  | 100 | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| 13C8-PFOSA (S) | 93  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| 13C9-PFNA (S)  | 94  | %. | 40-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| d3-MeFOSAA (S) | 74  | %. | 40-170 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| d3-NMeFOSA (S) | 87  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| d5-EtFOSAA (S) | 84  | %. | 25-135 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| d5-NEtFOSA (S) | 88  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| d7-NMeFOSE (S) | 85  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| d9-NEtFOSE (S) | 106 | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| 13C2-PFTA (S)  | 84  | %. | 10-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| 13C7-PFUDa (S) | 93  | %. | 30-130 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| 13C24:2FTS (S) | 88  | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| 13C26:2FTS (S) | 93  | %. | 40-200 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |
| 13C28:2FTS (S) | 90  | %. | 40-300 |  | 1 | 12/17/24 08:18 | 12/18/24 15:05 |  |  |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

QC Batch: 492714

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 10718154003, 10718154004, 10718154005, 10718154006, 10718154011

METHOD BLANK: 2820795

Matrix: Water

Associated Lab Samples: 10718154003, 10718154004, 10718154005, 10718154006, 10718154011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Iron      | ug/L  | <56.7        | 100             | 12/17/24 14:52 |            |

LABORATORY CONTROL SAMPLE: 2820796

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Iron      | ug/L  | 10000       | 10000      | 100       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2820797 2820798

| Parameter | Units | 10718154003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Iron      | ug/L  | 1920               | 10000          | 10000           | 11800     | 11700      | 99       | 97        | 75-125       | 1   | 20      |      |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

QC Batch: 492718

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D MET Dissolved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 10718154003, 10718154004, 10718154005, 10718154006, 10718154011

METHOD BLANK: 2820805

Matrix: Water

Associated Lab Samples: 10718154003, 10718154004, 10718154005, 10718154006, 10718154011

| Parameter       | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------------|-------|--------------|-----------------|----------------|------------|
| Iron, Dissolved | ug/L  | <56.7        | 100             | 12/18/24 15:03 |            |

LABORATORY CONTROL SAMPLE: 2820806

| Parameter       | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------|-------|-------------|------------|-----------|--------------|------------|
| Iron, Dissolved | ug/L  | 10000       | 10300      | 103       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2820807 2820808

| Parameter       | Units | 10718154003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Iron, Dissolved | ug/L  | <56.7              | 10000          | 10000           | 10400     | 10200      | 104      | 102       | 75-125       | 2   | 20      |      |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

|                  |                |                       |                                        |
|------------------|----------------|-----------------------|----------------------------------------|
| QC Batch:        | 984659         | Analysis Method:      | EPA 1633 DRAFT                         |
| QC Batch Method: | EPA 1633 DRAFT | Analysis Description: | 1633 W                                 |
|                  |                | Laboratory:           | Pace Analytical Services - Minneapolis |

Associated Lab Samples: 10718154034, 10718154035, 10718154036, 10718154037, 10718154038, 10718154039

METHOD BLANK: 5144085

Matrix: Water

Associated Lab Samples: 10718154034, 10718154035, 10718154036, 10718154037, 10718154038, 10718154039

| Parameter      | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|----------------|-------|--------------|-----------------|----------------|------------|
| 11CI-PF3OUdS   | ug/L  | <0.00075     | 0.0038          | 12/18/24 12:44 |            |
| 4:2 FTS        | ug/L  | <0.00046     | 0.0038          | 12/18/24 12:44 |            |
| 6:2 FTS        | ug/L  | <0.00094     | 0.0038          | 12/18/24 12:44 |            |
| 8:2 FTS        | ug/L  | <0.0010      | 0.0038          | 12/18/24 12:44 |            |
| 9CI-PF3ONS     | ug/L  | <0.00079     | 0.0038          | 12/18/24 12:44 |            |
| ADONA          | ug/L  | <0.00056     | 0.0038          | 12/18/24 12:44 |            |
| HFPO-DA        | ug/L  | <0.00075     | 0.0038          | 12/18/24 12:44 |            |
| NEtFOSA        | ug/L  | <0.00025     | 0.00096         | 12/18/24 12:44 |            |
| NEtFOSAA       | ug/L  | <0.00033     | 0.00096         | 12/18/24 12:44 |            |
| NEtFOSE        | ug/L  | <0.0031      | 0.0096          | 12/18/24 12:44 |            |
| NMeFOSA        | ug/L  | <0.00026     | 0.00096         | 12/18/24 12:44 |            |
| NMeFOSAA       | ug/L  | <0.00031     | 0.00096         | 12/18/24 12:44 |            |
| NMeFOSE        | ug/L  | <0.0026      | 0.0096          | 12/18/24 12:44 |            |
| PFBA           | ug/L  | <0.00059     | 0.0038          | 12/18/24 12:44 |            |
| PFBS           | ug/L  | <0.00031     | 0.00096         | 12/18/24 12:44 |            |
| PFDA           | ug/L  | <0.00017     | 0.00096         | 12/18/24 12:44 |            |
| PFDaA          | ug/L  | <0.00021     | 0.00096         | 12/18/24 12:44 |            |
| PFDoS          | ug/L  | <0.00027     | 0.00096         | 12/18/24 12:44 |            |
| PFDS           | ug/L  | <0.00025     | 0.00096         | 12/18/24 12:44 |            |
| PFHpA          | ug/L  | <0.00020     | 0.00096         | 12/18/24 12:44 |            |
| PFHpS          | ug/L  | <0.00023     | 0.00096         | 12/18/24 12:44 |            |
| PFHxA          | ug/L  | <0.00014     | 0.00096         | 12/18/24 12:44 |            |
| PFHxS          | ug/L  | <0.00025     | 0.00096         | 12/18/24 12:44 |            |
| PFNA           | ug/L  | <0.00022     | 0.00096         | 12/18/24 12:44 |            |
| PFNS           | ug/L  | <0.00023     | 0.00096         | 12/18/24 12:44 |            |
| PFOA           | ug/L  | <0.00033     | 0.00096         | 12/18/24 12:44 |            |
| PFOS           | ug/L  | <0.00017     | 0.00096         | 12/18/24 12:44 |            |
| PFOSA          | ug/L  | <0.00023     | 0.00096         | 12/18/24 12:44 |            |
| PFPeA          | ug/L  | <0.00029     | 0.0019          | 12/18/24 12:44 |            |
| PFPeS          | ug/L  | <0.00017     | 0.00096         | 12/18/24 12:44 |            |
| PFTeDA         | ug/L  | <0.00027     | 0.00096         | 12/18/24 12:44 |            |
| PFTTrDA        | ug/L  | <0.00019     | 0.00096         | 12/18/24 12:44 |            |
| PFUnA          | ug/L  | <0.00024     | 0.00096         | 12/18/24 12:44 |            |
| 13C2-PFDaA (S) | %     | 83           | 10-130          | 12/18/24 12:44 |            |
| 13C2-PFTA (S)  | %     | 79           | 10-130          | 12/18/24 12:44 |            |
| 13C24:2FTS (S) | %     | 78           | 40-200          | 12/18/24 12:44 |            |
| 13C26:2FTS (S) | %     | 86           | 40-200          | 12/18/24 12:44 |            |
| 13C28:2FTS (S) | %     | 84           | 40-300          | 12/18/24 12:44 |            |
| 13C3-PFBS (S)  | %     | 98           | 40-135          | 12/18/24 12:44 |            |
| 13C3-PFHxS (S) | %     | 96           | 40-130          | 12/18/24 12:44 |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

METHOD BLANK: 5144085

Matrix: Water

Associated Lab Samples: 10718154034, 10718154035, 10718154036, 10718154037, 10718154038, 10718154039

| Parameter       | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------------|-------|--------------|-----------------|----------------|------------|
| 13C3HFPO-DA (S) | %.    | 92           | 40-130          | 12/18/24 12:44 |            |
| 13C4-PFBA (S)   | %.    | 91           | 5-130           | 12/18/24 12:44 |            |
| 13C4-PFHpA (S)  | %.    | 89           | 40-130          | 12/18/24 12:44 |            |
| 13C5-PFHxA (S)  | %.    | 91           | 40-130          | 12/18/24 12:44 |            |
| 13C5-PFPeA (S)  | %.    | 92           | 40-130          | 12/18/24 12:44 |            |
| 13C6-PFDA (S)   | %.    | 91           | 40-130          | 12/18/24 12:44 |            |
| 13C7-PFUDa (S)  | %.    | 89           | 30-130          | 12/18/24 12:44 |            |
| 13C8-PFOA (S)   | %.    | 90           | 40-130          | 12/18/24 12:44 |            |
| 13C8-PFOS (S)   | %.    | 93           | 40-130          | 12/18/24 12:44 |            |
| 13C8-PFOSA (S)  | %.    | 88           | 40-130          | 12/18/24 12:44 |            |
| 13C9-PFNA (S)   | %.    | 89           | 40-130          | 12/18/24 12:44 |            |
| d3-MeFOSAA (S)  | %.    | 84           | 40-170          | 12/18/24 12:44 |            |
| d3-NMeFOSA (S)  | %.    | 81           | 10-130          | 12/18/24 12:44 |            |
| d5-EtFOSAA (S)  | %.    | 82           | 25-135          | 12/18/24 12:44 |            |
| d5-NEtFOSA (S)  | %.    | 84           | 10-130          | 12/18/24 12:44 |            |
| d7-NMeFOSE (S)  | %.    | 83           | 10-130          | 12/18/24 12:44 |            |
| d9-NEtFOSE (S)  | %.    | 105          | 10-130          | 12/18/24 12:44 |            |

LABORATORY CONTROL SAMPLE &amp; LCSD: 5144086

5144087

| Parameter    | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| 11Cl-PF3OUdS | ug/L  | 0.087       | 0.077      | 0.073       | 89        | 86         | 55-160       | 6   | 30      |            |
| 4:2 FTS      | ug/L  | 0.086       | 0.078      | 0.081       | 91        | 96         | 70-145       | 4   | 30      |            |
| 6:2 FTS      | ug/L  | 0.087       | 0.079      | 0.082       | 91        | 96         | 65-155       | 4   | 30      |            |
| 8:2 FTS      | ug/L  | 0.088       | 0.082      | 0.083       | 93        | 96         | 60-150       | 1   | 30      |            |
| 9Cl-PF3ONS   | ug/L  | 0.086       | 0.079      | 0.078       | 91        | 92         | 70-155       | 1   | 30      |            |
| ADONA        | ug/L  | 0.087       | 0.079      | 0.077       | 91        | 91         | 65-145       | 2   | 30      |            |
| HFPO-DA      | ug/L  | 0.092       | 0.083      | 0.081       | 91        | 90         | 70-140       | 3   | 30      |            |
| NEtFOSA      | ug/L  | 0.023       | 0.020      | 0.020       | 86        | 89         | 65-145       | 1   | 30      |            |
| NEtFOSAA     | ug/L  | 0.023       | 0.020      | 0.020       | 89        | 90         | 70-145       | 1   | 30      |            |
| NEtFOSE      | ug/L  | 0.23        | 0.20       | 0.21        | 89        | 92         | 70-135       | 1   | 30      |            |
| NMeFOSA      | ug/L  | 0.023       | 0.019      | 0.020       | 83        | 91         | 60-150       | 6   | 30      |            |
| NMeFOSAA     | ug/L  | 0.023       | 0.020      | 0.021       | 88        | 91         | 50-140       | 1   | 30      |            |
| NMeFOSE      | ug/L  | 0.23        | 0.21       | 0.21        | 93        | 95         | 70-145       | 1   | 30      |            |
| PFBA         | ug/L  | 0.092       | 0.081      | 0.083       | 88        | 92         | 70-140       | 2   | 30      |            |
| PFBS         | ug/L  | 0.02        | 0.018      | 0.018       | 87        | 91         | 60-145       | 3   | 30      |            |
| PFDA         | ug/L  | 0.023       | 0.020      | 0.020       | 89        | 89         | 70-140       | 2   | 30      |            |
| PFDaA        | ug/L  | 0.023       | 0.021      | 0.021       | 90        | 93         | 70-140       | 0   | 30      |            |
| PFDoS        | ug/L  | 0.022       | 0.018      | 0.017       | 79        | 79         | 50-145       | 2   | 30      |            |
| PFDS         | ug/L  | 0.022       | 0.019      | 0.019       | 86        | 86         | 60-145       | 2   | 30      |            |
| PFHpA        | ug/L  | 0.023       | 0.020      | 0.020       | 87        | 91         | 70-150       | 3   | 30      |            |
| PFHpS        | ug/L  | 0.022       | 0.019      | 0.019       | 88        | 89         | 70-150       | 2   | 30      |            |
| PFHxA        | ug/L  | 0.023       | 0.020      | 0.020       | 85        | 89         | 70-145       | 2   | 30      |            |
| PFHxS        | ug/L  | 0.021       | 0.018      | 0.018       | 87        | 89         | 65-145       | 0   | 30      |            |

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| LABORATORY CONTROL SAMPLE & LCSD: 5144086 |       |             | 5144087    |             |           |            |              |     |         |            |
|-------------------------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Parameter                                 | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
| PFNA                                      | ug/L  | 0.023       | 0.021      | 0.020       | 91        | 91         | 70-150       | 3   | 30      |            |
| PFNS                                      | ug/L  | 0.022       | 0.019      | 0.020       | 88        | 91         | 65-145       | 1   | 30      |            |
| PFOA                                      | ug/L  | 0.023       | 0.020      | 0.020       | 87        | 91         | 70-150       | 2   | 30      |            |
| PFOS                                      | ug/L  | 0.021       | 0.018      | 0.017       | 84        | 84         | 55-150       | 3   | 30      |            |
| PFOSA                                     | ug/L  | 0.023       | 0.020      | 0.021       | 88        | 93         | 70-145       | 3   | 30      |            |
| PFPeA                                     | ug/L  | 0.046       | 0.041      | 0.041       | 89        | 92         | 65-135       | 1   | 30      |            |
| PFPeS                                     | ug/L  | 0.022       | 0.020      | 0.020       | 92        | 95         | 65-140       | 1   | 30      |            |
| PFTeDA                                    | ug/L  | 0.023       | 0.020      | 0.021       | 86        | 94         | 60-140       | 6   | 30      |            |
| PFTrDA                                    | ug/L  | 0.023       | 0.021      | 0.020       | 91        | 91         | 65-140       | 2   | 30      |            |
| PFUnA                                     | ug/L  | 0.023       | 0.020      | 0.020       | 87        | 90         | 70-145       | 2   | 30      |            |
| 13C2-PFDoA (S)                            | %     |             |            |             | 92        | 89         | 10-130       |     |         |            |
| 13C2-PFTA (S)                             | %     |             |            |             | 91        | 84         | 10-130       |     |         |            |
| 13C24:2FTS (S)                            | %     |             |            |             | 78        | 75         | 40-200       |     |         |            |
| 13C26:2FTS (S)                            | %     |             |            |             | 85        | 83         | 40-200       |     |         |            |
| 13C28:2FTS (S)                            | %     |             |            |             | 86        | 84         | 40-300       |     |         |            |
| 13C3-PFBS (S)                             | %     |             |            |             | 105       | 103        | 40-135       |     |         |            |
| 13C3-PFHxS (S)                            | %     |             |            |             | 102       | 104        | 40-130       |     |         |            |
| 13C3HFPO-DA (S)                           | %     |             |            |             | 102       | 101        | 40-130       |     |         |            |
| 13C4-PFBA (S)                             | %     |             |            |             | 97        | 95         | 5-130        |     |         |            |
| 13C4-PFHpA (S)                            | %     |             |            |             | 97        | 95         | 40-130       |     |         |            |
| 13C5-PFHxA (S)                            | %     |             |            |             | 99        | 97         | 40-130       |     |         |            |
| 13C5-PFPeA (S)                            | %     |             |            |             | 100       | 98         | 40-130       |     |         |            |
| 13C6-PFDA (S)                             | %     |             |            |             | 96        | 99         | 40-130       |     |         |            |
| 13C7-PFUDa (S)                            | %     |             |            |             | 95        | 96         | 30-130       |     |         |            |
| 13C8-PFOA (S)                             | %     |             |            |             | 97        | 96         | 40-130       |     |         |            |
| 13C8-PFOS (S)                             | %     |             |            |             | 102       | 103        | 40-130       |     |         |            |
| 13C8-PFOSA (S)                            | %     |             |            |             | 93        | 94         | 40-130       |     |         |            |
| 13C9-PFNA (S)                             | %     |             |            |             | 95        | 95         | 40-130       |     |         |            |
| d3-MeFOSAA (S)                            | %     |             |            |             | 91        | 90         | 40-170       |     |         |            |
| d3-NMeFOSA (S)                            | %     |             |            |             | 90        | 88         | 10-130       |     |         |            |
| d5-EtFOSAA (S)                            | %     |             |            |             | 86        | 86         | 25-135       |     |         |            |
| d5-NEtFOSA (S)                            | %     |             |            |             | 91        | 92         | 10-130       |     |         |            |
| d7-NMeFOSE (S)                            | %     |             |            |             | 84        | 85         | 10-130       |     |         |            |
| d9-NEtFOSE (S)                            | %     |             |            |             | 105       | 104        | 10-130       |     |         |            |

LABORATORY CONTROL SAMPLE: 5144088

| Parameter    | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------|-------|-------------|------------|-----------|--------------|------------|
| 11CI-PF3OUdS | ug/L  | 0.0073      | 0.0060     | 81        | 55-160       |            |
| 4:2 FTS      | ug/L  | 0.0073      | 0.0067     | 92        | 70-145       |            |
| 6:2 FTS      | ug/L  | 0.0074      | 0.0067     | 91        | 65-155       |            |
| 8:2 FTS      | ug/L  | 0.0075      | 0.0067     | 89        | 60-150       |            |
| 9CI-PF3ONS   | ug/L  | 0.0073      | 0.0062     | 85        | 70-155       |            |
| ADONA        | ug/L  | 0.0073      | 0.0063     | 87        | 65-145       |            |
| HFPO-DA      | ug/L  | 0.0077      | 0.0071     | 92        | 70-140       |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

LABORATORY CONTROL SAMPLE: 5144088

| Parameter       | Units | Spike<br>Conc. | LCS<br>Result | LCS<br>% Rec | % Rec<br>Limits | Qualifiers |
|-----------------|-------|----------------|---------------|--------------|-----------------|------------|
| NEtFOSA         | ug/L  | 0.0019         | 0.0017        | 86           | 65-145          |            |
| NEtFOSAA        | ug/L  | 0.0019         | 0.0016        | 84           | 70-145          |            |
| NEtFOSE         | ug/L  | 0.019          | 0.017         | 86           | 70-135          |            |
| NMeFOSA         | ug/L  | 0.0019         | 0.0018        | 91           | 60-150          |            |
| NMeFOSAA        | ug/L  | 0.0019         | 0.0019        | 95           | 50-140          |            |
| NMeFOSE         | ug/L  | 0.019          | 0.018         | 90           | 70-145          |            |
| PFBA            | ug/L  | 0.0077         | 0.0071        | 91           | 70-140          |            |
| PFBS            | ug/L  | 0.0017         | 0.0015        | 86           | 60-145          |            |
| PFDA            | ug/L  | 0.0019         | 0.0017        | 85           | 70-140          |            |
| PFDaA           | ug/L  | 0.0019         | 0.0017        | 88           | 70-140          |            |
| PFDoS           | ug/L  | 0.0019         | 0.0016        | 86           | 50-145          |            |
| PFDS            | ug/L  | 0.0019         | 0.0017        | 90           | 60-145          |            |
| PFHpA           | ug/L  | 0.0019         | 0.0016        | 85           | 70-150          |            |
| PFHpS           | ug/L  | 0.0018         | 0.0017        | 92           | 70-150          |            |
| PFHxA           | ug/L  | 0.0019         | 0.0016        | 83           | 70-145          |            |
| PFHxS           | ug/L  | 0.0018         | 0.0017        | 94           | 65-145          |            |
| PFNA            | ug/L  | 0.0019         | 0.0016        | 85           | 70-150          |            |
| PFNS            | ug/L  | 0.0019         | 0.0017        | 89           | 65-145          |            |
| PFOA            | ug/L  | 0.0019         | 0.0016        | 84           | 70-150          |            |
| PFOS            | ug/L  | 0.0018         | 0.0016        | 91           | 55-150          |            |
| PFOSA           | ug/L  | 0.0019         | 0.0017        | 90           | 70-145          |            |
| PFPeA           | ug/L  | 0.0039         | 0.0034        | 87           | 65-135          |            |
| PFPeS           | ug/L  | 0.0018         | 0.0016        | 90           | 65-140          |            |
| PFTeDA          | ug/L  | 0.0019         | 0.0016        | 85           | 60-140          |            |
| PFTrDA          | ug/L  | 0.0019         | 0.0016        | 82           | 65-140          |            |
| PFUnA           | ug/L  | 0.0019         | 0.0016        | 83           | 70-145          |            |
| 13C2-PFDaA (S)  | %     |                |               | 90           | 10-130          |            |
| 13C2-PFTA (S)   | %     |                |               | 86           | 10-130          |            |
| 13C24:2FTS (S)  | %     |                |               | 82           | 40-200          |            |
| 13C26:2FTS (S)  | %     |                |               | 87           | 40-200          |            |
| 13C28:2FTS (S)  | %     |                |               | 85           | 40-300          |            |
| 13C3-PFBS (S)   | %     |                |               | 100          | 40-135          |            |
| 13C3-PFHxS (S)  | %     |                |               | 95           | 40-130          |            |
| 13C3HFPO-DA (S) | %     |                |               | 97           | 40-130          |            |
| 13C4-PFBA (S)   | %     |                |               | 94           | 5-130           |            |
| 13C4-PFHpA (S)  | %     |                |               | 91           | 40-130          |            |
| 13C5-PFHxA (S)  | %     |                |               | 96           | 40-130          |            |
| 13C5-PFPeA (S)  | %     |                |               | 97           | 40-130          |            |
| 13C6-PFDA (S)   | %     |                |               | 95           | 40-130          |            |
| 13C7-PFUDa (S)  | %     |                |               | 93           | 30-130          |            |
| 13C8-PFOA (S)   | %     |                |               | 96           | 40-130          |            |
| 13C8-PFOS (S)   | %     |                |               | 97           | 40-130          |            |
| 13C8-PFOSA (S)  | %     |                |               | 92           | 40-130          |            |
| 13C9-PFNA (S)   | %     |                |               | 93           | 40-130          |            |
| d3-MeFOSAA (S)  | %     |                |               | 88           | 40-170          |            |
| d3-NMeFOSA (S)  | %     |                |               | 84           | 10-130          |            |
| d5-EtFOSAA (S)  | %     |                |               | 85           | 25-135          |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

LABORATORY CONTROL SAMPLE: 5144088

| Parameter      | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------|-------|-------------|------------|-----------|--------------|------------|
| d5-NEtFOSA (S) | %.    |             |            | 87        | 10-130       |            |
| d7-NMeFOSE (S) | %.    |             |            | 83        | 10-130       |            |
| d9-NEtFOSE (S) | %.    |             |            | 104       | 10-130       |            |

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 5144089 5144090

| Parameter      | Units | 10717978001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| 11CI-PF3OUdS   | ug/L  | ND                 | 4.7            | 4.5             | 4.2       | 4.5        | 89       | 100       | 50-150       | 7   | 30      |      |
| 4:2 FTS        | ug/L  | ND                 | 4.7            | 4.5             | 4.4       | 4.2        | 95       | 94        | 50-150       | 5   | 30      |      |
| 6:2 FTS        | ug/L  | ND                 | 4.8            | 4.5             | 4.5       | 4.3        | 95       | 95        | 50-150       | 5   | 30      |      |
| 8:2 FTS        | ug/L  | ND                 | 4.8            | 4.6             | 4.6       | 4.2        | 95       | 91        | 50-150       | 9   | 30      |      |
| 9CI-PF3ONS     | ug/L  | ND                 | 4.7            | 4.5             | 4.4       | 4.6        | 94       | 103       | 50-150       | 5   | 30      |      |
| ADONA          | ug/L  | ND                 | 4.7            | 4.5             | 4.3       | 4.5        | 92       | 100       | 50-150       | 3   | 30      |      |
| HFPO-DA        | ug/L  | ND                 | 5              | 4.8             | 4.6       | 4.4        | 91       | 92        | 50-150       | 4   | 30      |      |
| NEtFOSA        | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 89       | 90        | 50-150       | 3   | 30      |      |
| NEtFOSAA       | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.0        | 90       | 87        | 50-150       | 8   | 30      |      |
| NEtFOSE        | ug/L  | ND                 | 12.5           | 11.9            | 11.3      | 10.8       | 91       | 91        | 50-150       | 5   | 30      |      |
| NMeFOSA        | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 87       | 88        | 50-150       | 3   | 30      |      |
| NMeFOSAA       | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 89       | 93        | 50-150       | 1   | 30      |      |
| NMeFOSE        | ug/L  | ND                 | 12.5           | 11.9            | 11.5      | 11.0       | 92       | 92        | 50-150       | 5   | 30      |      |
| PFBA           | ug/L  | ND                 | 5              | 4.8             | 4.6       | 3.8        | 92       | 80        | 50-150       | 18  | 30      |      |
| PFBS           | ug/L  | ND                 | 1.1            | 1.1             | 0.98      | 0.94       | 88       | 89        | 50-150       | 4   | 30      |      |
| PFDA           | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.0        | 91       | 88        | 50-150       | 8   | 30      |      |
| PFDoA          | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 91       | 92        | 50-150       | 5   | 30      |      |
| PFDoS          | ug/L  | ND                 | 1.2            | 1.2             | 0.98      | 0.98       | 81       | 85        | 50-150       | 0   | 30      |      |
| PFDS           | ug/L  | ND                 | 1.2            | 1.1             | 1.1       | 1.0        | 87       | 89        | 50-150       | 3   | 30      |      |
| PFHpA          | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 88       | 89        | 50-150       | 4   | 30      |      |
| PFHpS          | ug/L  | ND                 | 1.2            | 1.1             | 1.1       | 1.0        | 90       | 90        | 50-150       | 6   | 30      |      |
| PFHxA          | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 87       | 89        | 50-150       | 2   | 30      |      |
| PFHxS          | ug/L  | ND                 | 1.1            | 1.1             | 1.0       | 0.96       | 87       | 87        | 50-150       | 5   | 30      |      |
| PFNA           | ug/L  | ND                 | 1.2            | 1.2             | 1.2       | 1.1        | 92       | 89        | 50-150       | 9   | 30      |      |
| PFNS           | ug/L  | ND                 | 1.2            | 1.1             | 1.1       | 1.0        | 89       | 91        | 50-150       | 2   | 30      |      |
| PFOA           | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 87       | 91        | 50-150       | 1   | 30      |      |
| PFOS           | ug/L  | ND                 | 1.2            | 1.1             | 1.0       | 0.95       | 85       | 85        | 50-150       | 5   | 30      |      |
| PFOSA          | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 90       | 91        | 50-150       | 4   | 30      |      |
| PFPeA          | ug/L  | ND                 | 2.5            | 2.4             | 2.3       | 2.1        | 90       | 89        | 50-150       | 6   | 30      |      |
| PFPeS          | ug/L  | ND                 | 1.2            | 1.1             | 1.1       | 1.0        | 93       | 91        | 50-150       | 7   | 30      |      |
| PFTeDA         | ug/L  | ND                 | 1.2            | 1.2             | 1.2       | 1.1        | 92       | 93        | 50-150       | 5   | 30      |      |
| PFTTrDA        | ug/L  | ND                 | 1.2            | 1.2             | 1.1       | 1.1        | 90       | 90        | 50-150       | 5   | 30      |      |
| PFUnA          | ug/L  | ND                 | 1.2            | 1.2             | 1.2       | 1.1        | 92       | 88        | 50-150       | 9   | 30      |      |
| 13C2-PFDoA (S) | %.    |                    |                |                 |           |            | 89       | 92        | 10-130       |     |         |      |
| 13C2-PFTA (S)  | %.    |                    |                |                 |           |            | 85       | 88        | 10-130       |     |         |      |
| 13C24:2FTS (S) | %.    |                    |                |                 |           |            | 69       | 60        | 40-200       |     |         |      |
| 13C26:2FTS (S) | %.    |                    |                |                 |           |            | 81       | 82        | 40-200       |     |         |      |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5144089 5144090 |       |                       |                      |                       |              |               |             |              |                 |     |            |      |
|--------------------------------------------------------|-------|-----------------------|----------------------|-----------------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|------|
| Parameter                                              | Units | 10717978001<br>Result | MS<br>Spike<br>Conc. | MSD<br>Spike<br>Conc. | MS<br>Result | MSD<br>Result | MS<br>% Rec | MSD<br>% Rec | % Rec<br>Limits | RPD | Max<br>RPD | Qual |
| 13C28:2FTS (S)                                         | %.    |                       |                      |                       |              |               | 82          | 87           | 40-300          |     |            |      |
| 13C3-PFBS (S)                                          | %.    |                       |                      |                       |              |               | 104         | 101          | 40-135          |     |            |      |
| 13C3-PFHxS (S)                                         | %.    |                       |                      |                       |              |               | 101         | 102          | 40-130          |     |            |      |
| 13C3HFPO-DA (S)                                        | %.    |                       |                      |                       |              |               | 97          | 90           | 40-130          |     |            |      |
| 13C4-PFBA (S)                                          | %.    |                       |                      |                       |              |               | 4           | 3            | 5-130           |     |            | S0   |
| 13C4-PFHpA (S)                                         | %.    |                       |                      |                       |              |               | 96          | 97           | 40-130          |     |            |      |
| 13C5-PFHxA (S)                                         | %.    |                       |                      |                       |              |               | 97          | 90           | 40-130          |     |            |      |
| 13C5-PFPeA (S)                                         | %.    |                       |                      |                       |              |               | 60          | 24           | 40-130          |     |            | S0   |
| 13C6-PFDA (S)                                          | %.    |                       |                      |                       |              |               | 96          | 98           | 40-130          |     |            |      |
| 13C7-PFUdA (S)                                         | %.    |                       |                      |                       |              |               | 95          | 93           | 30-130          |     |            |      |
| 13C8-PFOA (S)                                          | %.    |                       |                      |                       |              |               | 95          | 94           | 40-130          |     |            |      |
| 13C8-PFOS (S)                                          | %.    |                       |                      |                       |              |               | 99          | 101          | 40-130          |     |            |      |
| 13C8-PFOSA (S)                                         | %.    |                       |                      |                       |              |               | 95          | 97           | 40-130          |     |            |      |
| 13C9-PFNA (S)                                          | %.    |                       |                      |                       |              |               | 95          | 94           | 40-130          |     |            |      |
| d3-MeFOSAA (S)                                         | %.    |                       |                      |                       |              |               | 87          | 85           | 40-170          |     |            |      |
| d3-NMeFOSA (S)                                         | %.    |                       |                      |                       |              |               | 93          | 95           | 10-130          |     |            |      |
| d5-EtFOSAA (S)                                         | %.    |                       |                      |                       |              |               | 84          | 88           | 25-135          |     |            |      |
| d5-NEtFOSA (S)                                         | %.    |                       |                      |                       |              |               | 93          | 95           | 10-130          |     |            |      |
| d7-NMeFOSE (S)                                         | %.    |                       |                      |                       |              |               | 84          | 87           | 10-130          |     |            |      |
| d9-NEtFOSE (S)                                         | %.    |                       |                      |                       |              |               | 103         | 106          | 10-130          |     |            |      |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

|                         |                                                                                                                                                                                      |                       |                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------|
| QC Batch:               | 984895                                                                                                                                                                               | Analysis Method:      | EPA 1633 DRAFT                         |
| QC Batch Method:        | EPA 1633 DRAFT                                                                                                                                                                       | Analysis Description: | 1633 W                                 |
|                         |                                                                                                                                                                                      | Laboratory:           | Pace Analytical Services - Minneapolis |
| Associated Lab Samples: | 10718154001, 10718154002, 10718154003, 10718154004, 10718154005, 10718154006, 10718154007, 10718154008, 10718154009, 10718154010, 10718154011, 10718154012, 10718154013, 10718154014 |                       |                                        |

METHOD BLANK: 5144899

Matrix: Water

Associated Lab Samples: 10718154001, 10718154002, 10718154003, 10718154004, 10718154005, 10718154006, 10718154007, 10718154008, 10718154009, 10718154010, 10718154011, 10718154012, 10718154013, 10718154014

| Parameter      | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|----------------|-------|--------------|-----------------|----------------|------------|
| 11CI-PF3OUdS   | ug/L  | <0.00076     | 0.0039          | 12/19/24 08:00 |            |
| 4:2 FTS        | ug/L  | <0.00047     | 0.0039          | 12/19/24 08:00 |            |
| 6:2 FTS        | ug/L  | <0.00095     | 0.0039          | 12/19/24 08:00 |            |
| 8:2 FTS        | ug/L  | <0.0010      | 0.0039          | 12/19/24 08:00 |            |
| 9CI-PF3ONS     | ug/L  | <0.00081     | 0.0039          | 12/19/24 08:00 |            |
| ADONA          | ug/L  | <0.00057     | 0.0039          | 12/19/24 08:00 |            |
| HFPO-DA        | ug/L  | <0.00076     | 0.0039          | 12/19/24 08:00 |            |
| NEtFOSA        | ug/L  | <0.00025     | 0.00098         | 12/19/24 08:00 |            |
| NEtFOSAA       | ug/L  | <0.00034     | 0.00098         | 12/19/24 08:00 |            |
| NEtFOSE        | ug/L  | <0.0031      | 0.0098          | 12/19/24 08:00 |            |
| NMeFOSA        | ug/L  | <0.00026     | 0.00098         | 12/19/24 08:00 |            |
| NMeFOSAA       | ug/L  | <0.00031     | 0.00098         | 12/19/24 08:00 |            |
| NMeFOSE        | ug/L  | <0.0026      | 0.0098          | 12/19/24 08:00 |            |
| PFBA           | ug/L  | <0.00060     | 0.0039          | 12/19/24 08:00 |            |
| PFBS           | ug/L  | <0.00031     | 0.00098         | 12/19/24 08:00 |            |
| PFDA           | ug/L  | <0.00017     | 0.00098         | 12/19/24 08:00 |            |
| PFDoA          | ug/L  | <0.00022     | 0.00098         | 12/19/24 08:00 |            |
| PFDoS          | ug/L  | <0.00027     | 0.00098         | 12/19/24 08:00 |            |
| PFDS           | ug/L  | <0.00026     | 0.00098         | 12/19/24 08:00 |            |
| PFHpA          | ug/L  | <0.00021     | 0.00098         | 12/19/24 08:00 |            |
| PFHpS          | ug/L  | <0.00023     | 0.00098         | 12/19/24 08:00 |            |
| PFHxA          | ug/L  | <0.00015     | 0.00098         | 12/19/24 08:00 |            |
| PFHxS          | ug/L  | <0.00025     | 0.00098         | 12/19/24 08:00 |            |
| PFNA           | ug/L  | <0.00023     | 0.00098         | 12/19/24 08:00 |            |
| PFNS           | ug/L  | <0.00024     | 0.00098         | 12/19/24 08:00 |            |
| PFOA           | ug/L  | <0.00033     | 0.00098         | 12/19/24 08:00 |            |
| PFOS           | ug/L  | <0.00017     | 0.00098         | 12/19/24 08:00 |            |
| PFOSA          | ug/L  | <0.00023     | 0.00098         | 12/19/24 08:00 |            |
| PFPeA          | ug/L  | <0.00029     | 0.0020          | 12/19/24 08:00 |            |
| PFPeS          | ug/L  | <0.00018     | 0.00098         | 12/19/24 08:00 |            |
| PFTeDA         | ug/L  | <0.00028     | 0.00098         | 12/19/24 08:00 |            |
| PFTrDA         | ug/L  | <0.00019     | 0.00098         | 12/19/24 08:00 |            |
| PFUnA          | ug/L  | <0.00025     | 0.00098         | 12/19/24 08:00 |            |
| 13C2-PFDoA (S) | %.    | 97           | 10-130          | 12/19/24 08:00 |            |
| 13C2-PFTA (S)  | %.    | 98           | 10-130          | 12/19/24 08:00 |            |
| 13C24:2FTS (S) | %.    | 129          | 40-200          | 12/19/24 08:00 |            |
| 13C26:2FTS (S) | %.    | 139          | 40-200          | 12/19/24 08:00 |            |
| 13C28:2FTS (S) | %.    | 125          | 40-300          | 12/19/24 08:00 |            |
| 13C3-PFBS (S)  | %.    | 114          | 40-135          | 12/19/24 08:00 |            |

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

METHOD BLANK: 5144899

Matrix: Water

Associated Lab Samples: 10718154001, 10718154002, 10718154003, 10718154004, 10718154005, 10718154006, 10718154007, 10718154008, 10718154009, 10718154010, 10718154011, 10718154012, 10718154013, 10718154014

| Parameter       | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------------|-------|--------------|-----------------|----------------|------------|
| 13C3-PFHxS (S)  | %.    | 110          | 40-130          | 12/19/24 08:00 |            |
| 13C3HFPO-DA (S) | %.    | 103          | 40-130          | 12/19/24 08:00 |            |
| 13C4-PFBA (S)   | %.    | 101          | 5-130           | 12/19/24 08:00 |            |
| 13C4-PFHpA (S)  | %.    | 101          | 40-130          | 12/19/24 08:00 |            |
| 13C5-PFHxA (S)  | %.    | 102          | 40-130          | 12/19/24 08:00 |            |
| 13C5-PFPeA (S)  | %.    | 107          | 40-130          | 12/19/24 08:00 |            |
| 13C6-PFDA (S)   | %.    | 102          | 40-130          | 12/19/24 08:00 |            |
| 13C7-PFUdA (S)  | %.    | 103          | 30-130          | 12/19/24 08:00 |            |
| 13C8-PFOA (S)   | %.    | 103          | 40-130          | 12/19/24 08:00 |            |
| 13C8-PFOS (S)   | %.    | 102          | 40-130          | 12/19/24 08:00 |            |
| 13C8-PFOSA (S)  | %.    | 92           | 40-130          | 12/19/24 08:00 |            |
| 13C9-PFNA (S)   | %.    | 97           | 40-130          | 12/19/24 08:00 |            |
| d3-MeFOSAA (S)  | %.    | 92           | 40-170          | 12/19/24 08:00 |            |
| d3-NMeFOSA (S)  | %.    | 77           | 10-130          | 12/19/24 08:00 |            |
| d5-EtFOSAA (S)  | %.    | 94           | 25-135          | 12/19/24 08:00 |            |
| d5-NEtFOSA (S)  | %.    | 80           | 10-130          | 12/19/24 08:00 |            |
| d7-NMeFOSE (S)  | %.    | 97           | 10-130          | 12/19/24 08:00 |            |
| d9-NEtFOSE (S)  | %.    | 104          | 10-130          | 12/19/24 08:00 |            |

LABORATORY CONTROL SAMPLE &amp; LCSD: 5144900

5144901

| Parameter    | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| 11Cl-PF3OUdS | ug/L  | 0.088       | 0.085      | 0.084       | 97        | 95         | 55-160       | 2   | 30      |            |
| 4:2 FTS      | ug/L  | 0.087       | 0.086      | 0.088       | 99        | 101        | 70-145       | 2   | 30      |            |
| 6:2 FTS      | ug/L  | 0.088       | 0.088      | 0.088       | 100       | 99         | 65-155       | 0   | 30      |            |
| 8:2 FTS      | ug/L  | 0.089       | 0.095      | 0.095       | 106       | 105        | 60-150       | 0   | 30      |            |
| 9Cl-PF3ONS   | ug/L  | 0.087       | 0.089      | 0.086       | 102       | 98         | 70-155       | 4   | 30      |            |
| ADONA        | ug/L  | 0.088       | 0.084      | 0.080       | 95        | 91         | 65-145       | 4   | 30      |            |
| HFPO-DA      | ug/L  | 0.093       | 0.094      | 0.095       | 102       | 101        | 70-140       | 0   | 30      |            |
| NEtFOSA      | ug/L  | 0.023       | 0.023      | 0.024       | 98        | 100        | 65-145       | 3   | 30      |            |
| NEtFOSAA     | ug/L  | 0.023       | 0.023      | 0.024       | 98        | 102        | 70-145       | 4   | 30      |            |
| NEtFOSE      | ug/L  | 0.23        | 0.23       | 0.23        | 97        | 98         | 70-135       | 1   | 30      |            |
| NMeFOSA      | ug/L  | 0.023       | 0.023      | 0.024       | 99        | 102        | 60-150       | 4   | 30      |            |
| NMeFOSAA     | ug/L  | 0.023       | 0.022      | 0.022       | 94        | 96         | 50-140       | 3   | 30      |            |
| NMeFOSE      | ug/L  | 0.23        | 0.22       | 0.23        | 97        | 97         | 70-145       | 1   | 30      |            |
| PFBA         | ug/L  | 0.093       | 0.091      | 0.092       | 98        | 98         | 70-140       | 1   | 30      |            |
| PFBS         | ug/L  | 0.021       | 0.020      | 0.021       | 99        | 101        | 60-145       | 3   | 30      |            |
| PFDA         | ug/L  | 0.023       | 0.022      | 0.022       | 96        | 96         | 70-140       | 1   | 30      |            |
| PFDaA        | ug/L  | 0.023       | 0.023      | 0.023       | 99        | 99         | 70-140       | 1   | 30      |            |
| PFDoS        | ug/L  | 0.023       | 0.020      | 0.021       | 90        | 93         | 50-145       | 5   | 30      |            |
| PFDS         | ug/L  | 0.022       | 0.020      | 0.021       | 90        | 94         | 60-145       | 5   | 30      |            |
| PFHpA        | ug/L  | 0.023       | 0.023      | 0.023       | 98        | 100        | 70-150       | 3   | 30      |            |
| PFHpS        | ug/L  | 0.022       | 0.021      | 0.021       | 95        | 96         | 70-150       | 1   | 30      |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| LABORATORY CONTROL SAMPLE & LCSD: 5144900 |       |             | 5144901    |             |           |            |              |     |         |            |
|-------------------------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Parameter                                 | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
| PFHxA                                     | ug/L  | 0.023       | 0.022      | 0.023       | 94        | 96         | 70-145       | 3   | 30      |            |
| PFHxS                                     | ug/L  | 0.021       | 0.020      | 0.021       | 95        | 98         | 65-145       | 3   | 30      |            |
| PFNA                                      | ug/L  | 0.023       | 0.023      | 0.024       | 100       | 102        | 70-150       | 2   | 30      |            |
| PFNS                                      | ug/L  | 0.022       | 0.021      | 0.022       | 95        | 97         | 65-145       | 2   | 30      |            |
| PFOA                                      | ug/L  | 0.023       | 0.022      | 0.023       | 97        | 97         | 70-150       | 1   | 30      |            |
| PFOS                                      | ug/L  | 0.022       | 0.020      | 0.021       | 94        | 96         | 55-150       | 2   | 30      |            |
| PFOSA                                     | ug/L  | 0.023       | 0.023      | 0.023       | 98        | 99         | 70-145       | 1   | 30      |            |
| PFPeA                                     | ug/L  | 0.046       | 0.046      | 0.047       | 99        | 100        | 65-135       | 2   | 30      |            |
| PFPeS                                     | ug/L  | 0.022       | 0.021      | 0.021       | 97        | 98         | 65-140       | 1   | 30      |            |
| PFTeDA                                    | ug/L  | 0.023       | 0.023      | 0.024       | 100       | 102        | 60-140       | 2   | 30      |            |
| PFTrDA                                    | ug/L  | 0.023       | 0.024      | 0.024       | 101       | 101        | 65-140       | 0   | 30      |            |
| PFUnA                                     | ug/L  | 0.023       | 0.023      | 0.024       | 97        | 101        | 70-145       | 4   | 30      |            |
| 13C2-PFDoA (S)                            | %     |             |            |             | 91        | 94         | 10-130       |     |         |            |
| 13C2-PFTA (S)                             | %     |             |            |             | 92        | 94         | 10-130       |     |         |            |
| 13C24:2FTS (S)                            | %     |             |            |             | 109       | 114        | 40-200       |     |         |            |
| 13C26:2FTS (S)                            | %     |             |            |             | 119       | 126        | 40-200       |     |         |            |
| 13C28:2FTS (S)                            | %     |             |            |             | 106       | 114        | 40-300       |     |         |            |
| 13C3-PFBS (S)                             | %     |             |            |             | 106       | 111        | 40-135       |     |         |            |
| 13C3-PFHxS (S)                            | %     |             |            |             | 101       | 109        | 40-130       |     |         |            |
| 13C3HFPO-DA (S)                           | %     |             |            |             | 100       | 102        | 40-130       |     |         |            |
| 13C4-PFBA (S)                             | %     |             |            |             | 95        | 96         | 5-130        |     |         |            |
| 13C4-PFHpA (S)                            | %     |             |            |             | 100       | 97         | 40-130       |     |         |            |
| 13C5-PFHxA (S)                            | %     |             |            |             | 99        | 97         | 40-130       |     |         |            |
| 13C5-PFPeA (S)                            | %     |             |            |             | 104       | 102        | 40-130       |     |         |            |
| 13C6-PFDA (S)                             | %     |             |            |             | 97        | 100        | 40-130       |     |         |            |
| 13C7-PFUdA (S)                            | %     |             |            |             | 96        | 96         | 30-130       |     |         |            |
| 13C8-PFOA (S)                             | %     |             |            |             | 101       | 100        | 40-130       |     |         |            |
| 13C8-PFOS (S)                             | %     |             |            |             | 103       | 97         | 40-130       |     |         |            |
| 13C8-PFOSA (S)                            | %     |             |            |             | 89        | 86         | 40-130       |     |         |            |
| 13C9-PFNA (S)                             | %     |             |            |             | 94        | 94         | 40-130       |     |         |            |
| d3-MeFOSAA (S)                            | %     |             |            |             | 90        | 85         | 40-170       |     |         |            |
| d3-NMeFOSA (S)                            | %     |             |            |             | 75        | 72         | 10-130       |     |         |            |
| d5-EtFOSAA (S)                            | %     |             |            |             | 87        | 83         | 25-135       |     |         |            |
| d5-NEtFOSA (S)                            | %     |             |            |             | 77        | 75         | 10-130       |     |         |            |
| d7-NMeFOSE (S)                            | %     |             |            |             | 95        | 90         | 10-130       |     |         |            |
| d9-NEtFOSE (S)                            | %     |             |            |             | 102       | 95         | 10-130       |     |         |            |

LABORATORY CONTROL SAMPLE: 5144902

| Parameter    | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------|-------|-------------|------------|-----------|--------------|------------|
| 11Cl-PF3OUdS | ug/L  | 0.0075      | 0.0067     | 90        | 55-160       |            |
| 4:2 FTS      | ug/L  | 0.0074      | 0.0069     | 93        | 70-145       |            |
| 6:2 FTS      | ug/L  | 0.0075      | 0.0074     | 98        | 65-155       |            |
| 8:2 FTS      | ug/L  | 0.0076      | 0.0080     | 105       | 60-150       |            |
| 9Cl-PF3ONS   | ug/L  | 0.0074      | 0.0068     | 92        | 70-155       |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

LABORATORY CONTROL SAMPLE: 5144902

| Parameter       | Units | Spike<br>Conc. | LCS<br>Result | LCS<br>% Rec | % Rec<br>Limits | Qualifiers |
|-----------------|-------|----------------|---------------|--------------|-----------------|------------|
| ADONA           | ug/L  | 0.0075         | 0.0077        | 103          | 65-145          |            |
| HFPO-DA         | ug/L  | 0.0079         | 0.0080        | 100          | 70-140          |            |
| NEtFOSA         | ug/L  | 0.002          | 0.0019        | 96           | 65-145          |            |
| NEtFOSAA        | ug/L  | 0.002          | 0.0019        | 94           | 70-145          |            |
| NEtFOSE         | ug/L  | 0.02           | 0.020         | 99           | 70-135          |            |
| NMeFOSA         | ug/L  | 0.002          | 0.0020        | 99           | 60-150          |            |
| NMeFOSAA        | ug/L  | 0.002          | 0.0021        | 107          | 50-140          |            |
| NMeFOSE         | ug/L  | 0.02           | 0.019         | 97           | 70-145          |            |
| PFBA            | ug/L  | 0.0079         | 0.0079        | 99           | 70-140          |            |
| PFBS            | ug/L  | 0.0018         | 0.0017        | 99           | 60-145          |            |
| PFDA            | ug/L  | 0.002          | 0.0019        | 96           | 70-140          |            |
| PFDaA           | ug/L  | 0.002          | 0.0019        | 95           | 70-140          |            |
| PFDoS           | ug/L  | 0.0019         | 0.0019        | 97           | 50-145          |            |
| PFDS            | ug/L  | 0.0019         | 0.0017        | 90           | 60-145          |            |
| PFHpA           | ug/L  | 0.002          | 0.0018        | 90           | 70-150          |            |
| PFHpS           | ug/L  | 0.0019         | 0.0019        | 100          | 70-150          |            |
| PFHxA           | ug/L  | 0.002          | 0.0020        | 103          | 70-145          |            |
| PFHxS           | ug/L  | 0.0018         | 0.0017        | 93           | 65-145          |            |
| PFNA            | ug/L  | 0.002          | 0.0019        | 97           | 70-150          |            |
| PFNS            | ug/L  | 0.0019         | 0.0018        | 94           | 65-145          |            |
| PFOA            | ug/L  | 0.002          | 0.0019        | 96           | 70-150          |            |
| PFOS            | ug/L  | 0.0018         | 0.0018        | 100          | 55-150          |            |
| PFOSA           | ug/L  | 0.002          | 0.0019        | 97           | 70-145          |            |
| PFPeA           | ug/L  | 0.004          | 0.0038        | 96           | 65-135          |            |
| PFPeS           | ug/L  | 0.0019         | 0.0020        | 109          | 65-140          |            |
| PFTeDA          | ug/L  | 0.002          | 0.0019        | 97           | 60-140          |            |
| PFTrDA          | ug/L  | 0.002          | 0.0020        | 99           | 65-140          |            |
| PFUnA           | ug/L  | 0.002          | 0.0019        | 95           | 70-145          |            |
| 13C2-PFDaA (S)  | %     |                |               | 87           | 10-130          |            |
| 13C2-PFTA (S)   | %     |                |               | 86           | 10-130          |            |
| 13C24:2FTS (S)  | %     |                |               | 118          | 40-200          |            |
| 13C26:2FTS (S)  | %     |                |               | 122          | 40-200          |            |
| 13C28:2FTS (S)  | %     |                |               | 110          | 40-300          |            |
| 13C3-PFBS (S)   | %     |                |               | 104          | 40-135          |            |
| 13C3-PFHxS (S)  | %     |                |               | 98           | 40-130          |            |
| 13C3HFPO-DA (S) | %     |                |               | 94           | 40-130          |            |
| 13C4-PFBA (S)   | %     |                |               | 91           | 5-130           |            |
| 13C4-PFHpA (S)  | %     |                |               | 90           | 40-130          |            |
| 13C5-PFHxA (S)  | %     |                |               | 92           | 40-130          |            |
| 13C5-PFPeA (S)  | %     |                |               | 97           | 40-130          |            |
| 13C6-PFDA (S)   | %     |                |               | 94           | 40-130          |            |
| 13C7-PFUDa (S)  | %     |                |               | 91           | 30-130          |            |
| 13C8-PFOA (S)   | %     |                |               | 93           | 40-130          |            |
| 13C8-PFOS (S)   | %     |                |               | 97           | 40-130          |            |
| 13C8-PFOSA (S)  | %     |                |               | 86           | 40-130          |            |
| 13C9-PFNA (S)   | %     |                |               | 91           | 40-130          |            |
| d3-MeFOSAA (S)  | %     |                |               | 84           | 40-170          |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

LABORATORY CONTROL SAMPLE: 5144902

| Parameter      | Units | Spike<br>Conc. | LCS<br>Result | LCS<br>% Rec | % Rec<br>Limits | Qualifiers |
|----------------|-------|----------------|---------------|--------------|-----------------|------------|
| d3-NMeFOSA (S) | %.    |                |               | 70           | 10-130          |            |
| d5-EtFOSAA (S) | %.    |                |               | 84           | 25-135          |            |
| d5-NEtFOSA (S) | %.    |                |               | 73           | 10-130          |            |
| d7-NMeFOSE (S) | %.    |                |               | 91           | 10-130          |            |
| d9-NEtFOSE (S) | %.    |                |               | 99           | 10-130          |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

|                  |                |                       |                                        |
|------------------|----------------|-----------------------|----------------------------------------|
| QC Batch:        | 984924         | Analysis Method:      | EPA 1633 DRAFT                         |
| QC Batch Method: | EPA 1633 DRAFT | Analysis Description: | 1633 W                                 |
|                  |                | Laboratory:           | Pace Analytical Services - Minneapolis |

Associated Lab Samples: 10718154015, 10718154016, 10718154017, 10718154018, 10718154019, 10718154020, 10718154021, 10718154022, 10718154023, 10718154024, 10718154025, 10718154026, 10718154027, 10718154028, 10718154029, 10718154030, 10718154031, 10718154032, 10718154033

METHOD BLANK: 5145015

Matrix: Water

Associated Lab Samples: 10718154015, 10718154016, 10718154017, 10718154018, 10718154019, 10718154020, 10718154021, 10718154022, 10718154023, 10718154024, 10718154025, 10718154026, 10718154027, 10718154028, 10718154029, 10718154030, 10718154031, 10718154032, 10718154033

| Parameter      | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|----------------|-------|--------------|-----------------|----------------|------------|
| 11CI-PF3OUdS   | ug/L  | <0.00077     | 0.0039          | 12/20/24 12:48 |            |
| 4:2 FTS        | ug/L  | <0.00048     | 0.0039          | 12/20/24 12:48 |            |
| 6:2 FTS        | ug/L  | <0.00096     | 0.0039          | 12/20/24 12:48 |            |
| 8:2 FTS        | ug/L  | <0.0010      | 0.0039          | 12/20/24 12:48 |            |
| 9CI-PF3ONS     | ug/L  | <0.00081     | 0.0039          | 12/20/24 12:48 |            |
| ADONA          | ug/L  | <0.00058     | 0.0039          | 12/20/24 12:48 |            |
| HFPO-DA        | ug/L  | <0.00077     | 0.0039          | 12/20/24 12:48 |            |
| NEtFOSA        | ug/L  | <0.00025     | 0.00099         | 12/20/24 12:48 |            |
| NEtFOSAA       | ug/L  | <0.00034     | 0.00099         | 12/20/24 12:48 |            |
| NEtFOSE        | ug/L  | <0.0032      | 0.0099          | 12/20/24 12:48 |            |
| NMeFOSA        | ug/L  | <0.00026     | 0.00099         | 12/20/24 12:48 |            |
| NMeFOSAA       | ug/L  | <0.00031     | 0.00099         | 12/20/24 12:48 |            |
| NMeFOSE        | ug/L  | <0.0026      | 0.0099          | 12/20/24 12:48 |            |
| PFBA           | ug/L  | <0.00060     | 0.0039          | 12/20/24 12:48 |            |
| PFBS           | ug/L  | <0.00032     | 0.00099         | 12/20/24 12:48 |            |
| PFDA           | ug/L  | <0.00018     | 0.00099         | 12/20/24 12:48 |            |
| PFDoA          | ug/L  | <0.00022     | 0.00099         | 12/20/24 12:48 |            |
| PFDoS          | ug/L  | <0.00027     | 0.00099         | 12/20/24 12:48 |            |
| PFDS           | ug/L  | <0.00026     | 0.00099         | 12/20/24 12:48 |            |
| PFHpA          | ug/L  | <0.00021     | 0.00099         | 12/20/24 12:48 |            |
| PFHpS          | ug/L  | <0.00024     | 0.00099         | 12/20/24 12:48 |            |
| PFHxA          | ug/L  | <0.00015     | 0.00099         | 12/20/24 12:48 |            |
| PFHxS          | ug/L  | <0.00026     | 0.00099         | 12/20/24 12:48 |            |
| PFNA           | ug/L  | <0.00023     | 0.00099         | 12/20/24 12:48 |            |
| PFNS           | ug/L  | <0.00024     | 0.00099         | 12/20/24 12:48 |            |
| PFOA           | ug/L  | <0.00034     | 0.00099         | 12/20/24 12:48 |            |
| PFOS           | ug/L  | 0.00040J     | 0.00099         | 12/20/24 12:48 |            |
| PFOSA          | ug/L  | <0.00023     | 0.00099         | 12/20/24 12:48 |            |
| PFPeA          | ug/L  | <0.00029     | 0.0020          | 12/20/24 12:48 |            |
| PFPeS          | ug/L  | <0.00018     | 0.00099         | 12/20/24 12:48 |            |
| PFTeDA         | ug/L  | <0.00028     | 0.00099         | 12/20/24 12:48 |            |
| PFTTrDA        | ug/L  | <0.00020     | 0.00099         | 12/20/24 12:48 |            |
| PFUnA          | ug/L  | <0.00025     | 0.00099         | 12/20/24 12:48 |            |
| 13C2-PFDoA (S) | %     | 91           | 10-130          | 12/20/24 12:48 |            |
| 13C2-PFTA (S)  | %     | 90           | 10-130          | 12/20/24 12:48 |            |
| 13C24:2FTS (S) | %     | 114          | 40-200          | 12/20/24 12:48 |            |
| 13C26:2FTS (S) | %     | 111          | 40-200          | 12/20/24 12:48 |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

METHOD BLANK: 5145015

Matrix: Water

Associated Lab Samples: 10718154015, 10718154016, 10718154017, 10718154018, 10718154019, 10718154020, 10718154021, 10718154022, 10718154023, 10718154024, 10718154025, 10718154026, 10718154027, 10718154028, 10718154029, 10718154030, 10718154031, 10718154032, 10718154033

| Parameter       | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------------|-------|--------------|-----------------|----------------|------------|
| 13C28:2FTS (S)  | %.    | 94           | 40-300          | 12/20/24 12:48 |            |
| 13C3-PFBS (S)   | %.    | 105          | 40-135          | 12/20/24 12:48 |            |
| 13C3-PFHxS (S)  | %.    | 103          | 40-130          | 12/20/24 12:48 |            |
| 13C3HFPO-DA (S) | %.    | 99           | 40-130          | 12/20/24 12:48 |            |
| 13C4-PFBA (S)   | %.    | 97           | 5-130           | 12/20/24 12:48 |            |
| 13C4-PFHpA (S)  | %.    | 97           | 40-130          | 12/20/24 12:48 |            |
| 13C5-PFHxA (S)  | %.    | 97           | 40-130          | 12/20/24 12:48 |            |
| 13C5-PFPeA (S)  | %.    | 99           | 40-130          | 12/20/24 12:48 |            |
| 13C6-PFDA (S)   | %.    | 104          | 40-130          | 12/20/24 12:48 |            |
| 13C7-PFUdA (S)  | %.    | 100          | 30-130          | 12/20/24 12:48 |            |
| 13C8-PFOA (S)   | %.    | 103          | 40-130          | 12/20/24 12:48 |            |
| 13C8-PFOS (S)   | %.    | 100          | 40-130          | 12/20/24 12:48 |            |
| 13C8-PFOSA (S)  | %.    | 88           | 40-130          | 12/20/24 12:48 |            |
| 13C9-PFNA (S)   | %.    | 97           | 40-130          | 12/20/24 12:48 |            |
| d3-MeFOSAA (S)  | %.    | 79           | 40-170          | 12/20/24 12:48 |            |
| d3-NMeFOSA (S)  | %.    | 65           | 10-130          | 12/20/24 12:48 |            |
| d5-EtFOSAA (S)  | %.    | 78           | 25-135          | 12/20/24 12:48 |            |
| d5-NEtFOSA (S)  | %.    | 66           | 10-130          | 12/20/24 12:48 |            |
| d7-NMeFOSE (S)  | %.    | 82           | 10-130          | 12/20/24 12:48 |            |
| d9-NEtFOSE (S)  | %.    | 86           | 10-130          | 12/20/24 12:48 |            |

LABORATORY CONTROL SAMPLE &amp; LCSD: 5145016

5145017

| Parameter    | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| 11CI-PF3OUdS | ug/L  | 0.088       | 0.083      | 0.076       | 94        | 86         | 55-160       | 9   | 30      |            |
| 4:2 FTS      | ug/L  | 0.088       | 0.083      | 0.084       | 95        | 96         | 70-145       | 1   | 30      |            |
| 6:2 FTS      | ug/L  | 0.089       | 0.088      | 0.085       | 99        | 96         | 65-155       | 4   | 30      |            |
| 8:2 FTS      | ug/L  | 0.09        | 0.090      | 0.084       | 100       | 93         | 60-150       | 7   | 30      |            |
| 9CI-PF3ONS   | ug/L  | 0.088       | 0.089      | 0.084       | 102       | 97         | 70-155       | 5   | 30      |            |
| ADONA        | ug/L  | 0.088       | 0.082      | 0.076       | 93        | 86         | 65-145       | 7   | 30      |            |
| HFPO-DA      | ug/L  | 0.093       | 0.092      | 0.089       | 98        | 96         | 70-140       | 3   | 30      |            |
| NEtFOSA      | ug/L  | 0.023       | 0.024      | 0.023       | 101       | 96         | 65-145       | 5   | 30      |            |
| NEtFOSAA     | ug/L  | 0.023       | 0.022      | 0.023       | 92        | 96         | 70-145       | 4   | 30      |            |
| NEtFOSE      | ug/L  | 0.23        | 0.23       | 0.22        | 97        | 95         | 70-135       | 2   | 30      |            |
| NMeFOSA      | ug/L  | 0.023       | 0.022      | 0.023       | 96        | 97         | 60-150       | 1   | 30      |            |
| NMeFOSAA     | ug/L  | 0.023       | 0.022      | 0.022       | 96        | 95         | 50-140       | 1   | 30      |            |
| NMeFOSE      | ug/L  | 0.23        | 0.22       | 0.22        | 96        | 94         | 70-145       | 2   | 30      |            |
| PFBA         | ug/L  | 0.093       | 0.090      | 0.089       | 96        | 95         | 70-140       | 1   | 30      |            |
| PFBS         | ug/L  | 0.021       | 0.020      | 0.020       | 97        | 99         | 60-145       | 1   | 30      |            |
| PFDA         | ug/L  | 0.023       | 0.022      | 0.022       | 96        | 93         | 70-140       | 3   | 30      |            |
| PFDaA        | ug/L  | 0.023       | 0.023      | 0.023       | 100       | 97         | 70-140       | 3   | 30      |            |
| PFDoS        | ug/L  | 0.023       | 0.019      | 0.019       | 83        | 85         | 50-145       | 2   | 30      |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| LABORATORY CONTROL SAMPLE & LCSD: 5145016 |       |             | 5145017    |             |           |            |              |     |         |            |
|-------------------------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| Parameter                                 | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
| PFDS                                      | ug/L  | 0.023       | 0.020      | 0.020       | 89        | 88         | 60-145       | 2   | 30      |            |
| PFHpA                                     | ug/L  | 0.023       | 0.022      | 0.022       | 96        | 95         | 70-150       | 1   | 30      |            |
| PFHpS                                     | ug/L  | 0.022       | 0.022      | 0.022       | 101       | 98         | 70-150       | 3   | 30      |            |
| PFHxA                                     | ug/L  | 0.023       | 0.022      | 0.022       | 95        | 93         | 70-145       | 2   | 30      |            |
| PFHxS                                     | ug/L  | 0.021       | 0.020      | 0.020       | 93        | 93         | 65-145       | 1   | 30      |            |
| PFNA                                      | ug/L  | 0.023       | 0.023      | 0.023       | 99        | 97         | 70-150       | 2   | 30      |            |
| PFNS                                      | ug/L  | 0.022       | 0.021      | 0.021       | 93        | 93         | 65-145       | 0   | 30      |            |
| PFOA                                      | ug/L  | 0.023       | 0.022      | 0.021       | 93        | 91         | 70-150       | 2   | 30      |            |
| PFOS                                      | ug/L  | 0.022       | 0.021      | 0.020       | 96        | 95         | 55-150       | 1   | 30      |            |
| PFOSA                                     | ug/L  | 0.023       | 0.023      | 0.022       | 96        | 95         | 70-145       | 1   | 30      |            |
| PFPeA                                     | ug/L  | 0.047       | 0.046      | 0.045       | 97        | 95         | 65-135       | 2   | 30      |            |
| PFPeS                                     | ug/L  | 0.022       | 0.021      | 0.021       | 96        | 95         | 65-140       | 1   | 30      |            |
| PFTeDA                                    | ug/L  | 0.023       | 0.023      | 0.023       | 99        | 99         | 60-140       | 0   | 30      |            |
| PFTrDA                                    | ug/L  | 0.023       | 0.023      | 0.022       | 98        | 94         | 65-140       | 4   | 30      |            |
| PFUnA                                     | ug/L  | 0.023       | 0.022      | 0.023       | 95        | 96         | 70-145       | 1   | 30      |            |
| 13C2-PFDoA (S)                            | %     |             |            |             | 88        | 89         | 10-130       |     |         |            |
| 13C2-PFTA (S)                             | %     |             |            |             | 85        | 89         | 10-130       |     |         |            |
| 13C24:2FTS (S)                            | %     |             |            |             | 107       | 107        | 40-200       |     |         |            |
| 13C26:2FTS (S)                            | %     |             |            |             | 102       | 104        | 40-200       |     |         |            |
| 13C28:2FTS (S)                            | %     |             |            |             | 93        | 95         | 40-300       |     |         |            |
| 13C3-PFBS (S)                             | %     |             |            |             | 107       | 106        | 40-135       |     |         |            |
| 13C3-PFHxS (S)                            | %     |             |            |             | 103       | 105        | 40-130       |     |         |            |
| 13C3HFPO-DA (S)                           | %     |             |            |             | 96        | 103        | 40-130       |     |         |            |
| 13C4-PFBA (S)                             | %     |             |            |             | 97        | 99         | 5-130        |     |         |            |
| 13C4-PFHpA (S)                            | %     |             |            |             | 97        | 99         | 40-130       |     |         |            |
| 13C5-PFHxA (S)                            | %     |             |            |             | 99        | 102        | 40-130       |     |         |            |
| 13C5-PFPeA (S)                            | %     |             |            |             | 98        | 101        | 40-130       |     |         |            |
| 13C6-PFDA (S)                             | %     |             |            |             | 96        | 99         | 40-130       |     |         |            |
| 13C7-PFUDa (S)                            | %     |             |            |             | 96        | 96         | 30-130       |     |         |            |
| 13C8-PFOA (S)                             | %     |             |            |             | 101       | 105        | 40-130       |     |         |            |
| 13C8-PFOS (S)                             | %     |             |            |             | 101       | 100        | 40-130       |     |         |            |
| 13C8-PFOSA (S)                            | %     |             |            |             | 90        | 88         | 40-130       |     |         |            |
| 13C9-PFNA (S)                             | %     |             |            |             | 94        | 98         | 40-130       |     |         |            |
| d3-MeFOSAA (S)                            | %     |             |            |             | 83        | 80         | 40-170       |     |         |            |
| d3-NMeFOSA (S)                            | %     |             |            |             | 77        | 70         | 10-130       |     |         |            |
| d5-EtFOSAA (S)                            | %     |             |            |             | 81        | 74         | 25-135       |     |         |            |
| d5-NEtFOSA (S)                            | %     |             |            |             | 77        | 70         | 10-130       |     |         |            |
| d7-NMeFOSE (S)                            | %     |             |            |             | 85        | 80         | 10-130       |     |         |            |
| d9-NEtFOSE (S)                            | %     |             |            |             | 89        | 83         | 10-130       |     |         |            |

LABORATORY CONTROL SAMPLE: 5145018

| Parameter    | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------|-------|-------------|------------|-----------|--------------|------------|
| 11Cl-PF3OUdS | ug/L  | 0.0072      | 0.0059     | 82        | 55-160       |            |
| 4:2 FTS      | ug/L  | 0.0071      | 0.0062     | 86        | 70-145       |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

LABORATORY CONTROL SAMPLE: 5145018

| Parameter       | Units | Spike<br>Conc. | LCS<br>Result | LCS<br>% Rec | % Rec<br>Limits | Qualifiers |
|-----------------|-------|----------------|---------------|--------------|-----------------|------------|
| 6:2 FTS         | ug/L  | 0.0072         | 0.0062        | 86           | 65-155          |            |
| 8:2 FTS         | ug/L  | 0.0073         | 0.0069        | 94           | 60-150          |            |
| 9CI-PF3ONS      | ug/L  | 0.0071         | 0.0066        | 92           | 70-155          |            |
| ADONA           | ug/L  | 0.0072         | 0.0068        | 95           | 65-145          |            |
| HFPO-DA         | ug/L  | 0.0076         | 0.0068        | 90           | 70-140          |            |
| NEtFOSA         | ug/L  | 0.0019         | 0.0017        | 90           | 65-145          |            |
| NEtFOSAA        | ug/L  | 0.0019         | 0.0017        | 91           | 70-145          |            |
| NEtFOSE         | ug/L  | 0.019          | 0.017         | 92           | 70-135          |            |
| NMeFOSA         | ug/L  | 0.0019         | 0.0019        | 97           | 60-150          |            |
| NMeFOSAA        | ug/L  | 0.0019         | 0.0018        | 97           | 50-140          |            |
| NMeFOSE         | ug/L  | 0.019          | 0.017         | 89           | 70-145          |            |
| PFBA            | ug/L  | 0.0076         | 0.0071        | 93           | 70-140          |            |
| PFBS            | ug/L  | 0.0017         | 0.0015        | 91           | 60-145          |            |
| PFDA            | ug/L  | 0.0019         | 0.0019        | 100          | 70-140          |            |
| PFDoA           | ug/L  | 0.0019         | 0.0017        | 88           | 70-140          |            |
| PFDoS           | ug/L  | 0.0018         | 0.0016        | 88           | 50-145          |            |
| PFDS            | ug/L  | 0.0018         | 0.0015        | 80           | 60-145          |            |
| PFHpA           | ug/L  | 0.0019         | 0.0017        | 90           | 70-150          |            |
| PFHpS           | ug/L  | 0.0018         | 0.0016        | 89           | 70-150          |            |
| PFHxA           | ug/L  | 0.0019         | 0.0020        | 105          | 70-145          |            |
| PFHxS           | ug/L  | 0.0017         | 0.0016        | 93           | 65-145          |            |
| PFNA            | ug/L  | 0.0019         | 0.0017        | 91           | 70-150          |            |
| PFNS            | ug/L  | 0.0018         | 0.0017        | 92           | 65-145          |            |
| PFOA            | ug/L  | 0.0019         | 0.0016        | 87           | 70-150          |            |
| PFOS            | ug/L  | 0.0018         | 0.0022        | 126          | 55-150          |            |
| PFOSA           | ug/L  | 0.0019         | 0.0017        | 90           | 70-145          |            |
| PFPeA           | ug/L  | 0.0038         | 0.0035        | 91           | 65-135          |            |
| PFPeS           | ug/L  | 0.0018         | 0.0017        | 97           | 65-140          |            |
| PFTeDA          | ug/L  | 0.0019         | 0.0017        | 89           | 60-140          |            |
| PFTrDA          | ug/L  | 0.0019         | 0.0017        | 87           | 65-140          |            |
| PFUnA           | ug/L  | 0.0019         | 0.0017        | 88           | 70-145          |            |
| 13C2-PFDoA (S)  | %     |                |               | 94           | 10-130          |            |
| 13C2-PFTA (S)   | %     |                |               | 93           | 10-130          |            |
| 13C24:2FTS (S)  | %     |                |               | 117          | 40-200          |            |
| 13C26:2FTS (S)  | %     |                |               | 113          | 40-200          |            |
| 13C28:2FTS (S)  | %     |                |               | 99           | 40-300          |            |
| 13C3-PFBS (S)   | %     |                |               | 106          | 40-135          |            |
| 13C3-PFHxS (S)  | %     |                |               | 104          | 40-130          |            |
| 13C3HFPO-DA (S) | %     |                |               | 104          | 40-130          |            |
| 13C4-PFBA (S)   | %     |                |               | 101          | 5-130           |            |
| 13C4-PFHpA (S)  | %     |                |               | 100          | 40-130          |            |
| 13C5-PFHxA (S)  | %     |                |               | 103          | 40-130          |            |
| 13C5-PFPeA (S)  | %     |                |               | 102          | 40-130          |            |
| 13C6-PFDA (S)   | %     |                |               | 102          | 40-130          |            |
| 13C7-PFUdA (S)  | %     |                |               | 101          | 30-130          |            |
| 13C8-PFOA (S)   | %     |                |               | 108          | 40-130          |            |
| 13C8-PFOS (S)   | %     |                |               | 104          | 40-130          |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

LABORATORY CONTROL SAMPLE: 5145018

| Parameter      | Units | Spike<br>Conc. | LCS<br>Result | LCS<br>% Rec | % Rec<br>Limits | Qualifiers |
|----------------|-------|----------------|---------------|--------------|-----------------|------------|
| 13C8-PFOSA (S) | %.    |                |               | 91           | 40-130          |            |
| 13C9-PFNA (S)  | %.    |                |               | 98           | 40-130          |            |
| d3-MeFOSAA (S) | %.    |                |               | 84           | 40-170          |            |
| d3-NMeFOSA (S) | %.    |                |               | 68           | 10-130          |            |
| d5-EtFOSAA (S) | %.    |                |               | 82           | 25-135          |            |
| d5-NEtFOSA (S) | %.    |                |               | 72           | 10-130          |            |
| d7-NMeFOSE (S) | %.    |                |               | 83           | 10-130          |            |
| d9-NEtFOSE (S) | %.    |                |               | 87           | 10-130          |            |

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## QUALITY CONTROL DATA

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

|                  |          |                       |                                      |
|------------------|----------|-----------------------|--------------------------------------|
| QC Batch:        | 492686   | Analysis Method:      | SM 5310C                             |
| QC Batch Method: | SM 5310C | Analysis Description: | 5310C Total Organic Carbon           |
|                  |          | Laboratory:           | Pace Analytical Services - Green Bay |

Associated Lab Samples: 10718154013, 10718154014, 10718154019, 10718154027

METHOD BLANK: 2820724 Matrix: Water

Associated Lab Samples: 10718154013, 10718154014, 10718154019, 10718154027

| Parameter            | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|----------------------|-------|--------------|-----------------|----------------|------------|
| Total Organic Carbon | ug/L  | <190         | 500             | 12/16/24 00:12 |            |

LABORATORY CONTROL SAMPLE: 2820725

| Parameter            | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Organic Carbon | ug/L  | 12500       | 13700      | 110       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2820726 2820727

| Parameter            | Units | 40288540001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Total Organic Carbon | ug/L  | 29.6 mg/L          | 36000          | 36000           | 63800     | 62300      | 95       | 91        | 80-120       | 2   | 10      |      |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2820728 2820729

| Parameter            | Units | 40288540002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Total Organic Carbon | ug/L  | 522 mg/L           | 900000         | 900000          | 1310000   | 1300000    | 87       | 87        | 80-120       | 0   | 10      |      |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: E24-0655 - 3M Menomonie GW-Revised Report  
Pace Project No.: 10718154

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### WORKORDER QUALIFIERS

WO: 10718154

[1] The quality system for Pace Analytical Services, LLC in Minneapolis, MN (Pace-Mpls) has been audited and was found to be in conformance with ISO/IEC 17025:2017 by an independent assessment (A2LA Certificate # 2926). The PFAS test results in non-drinking water for this project are not covered by this accreditation.

Pace-Mpls maintains accreditation with the state of Wisconsin for their isotope dilution analysis as defined in ENV-SOP-MIN4-0178 under certificate number 999407970. All of the test results for this project are covered by the Wisconsin accreditation.

Pace-GB maintains accreditation with the state of Wisconsin for TOC and 6010 analyses under certificate number 405132750. All of the test results for this project are covered by the Wisconsin accreditation.

### ANALYTE QUALIFIERS

1M All narrated results associated with this sample confirmed through secondary analysis. Extracted Internal Standards (EIS) with 0% recovery are confirmed based on their low detections meeting signal to noise criteria described in the laboratories SOP

## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

---

### ANALYTE QUALIFIERS

|    |                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------|
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| S0 | Surrogate recovery outside laboratory control limits.                                                      |

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab ID      | Sample ID                 | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|---------------------------|-----------------|----------|-------------------|------------------|
| 10718154003 | MEWI-GW-MW3-0-241204      | EPA 3010A       | 492714   | EPA 6010D         | 492892           |
| 10718154004 | MEWI-GW-MW3-DB-241204     | EPA 3010A       | 492714   | EPA 6010D         | 492892           |
| 10718154005 | MEWI-GW-MW4-0-241205      | EPA 3010A       | 492714   | EPA 6010D         | 492892           |
| 10718154006 | MEWI-GW-MW5-0-241204      | EPA 3010A       | 492714   | EPA 6010D         | 492892           |
| 10718154011 | MEWI-GW-MW11-0-241205     | EPA 3010A       | 492714   | EPA 6010D         | 492892           |
| 10718154003 | MEWI-GW-MW3-0-241204      | EPA 3010A       | 492718   | EPA 6010D         | 492888           |
| 10718154004 | MEWI-GW-MW3-DB-241204     | EPA 3010A       | 492718   | EPA 6010D         | 492888           |
| 10718154005 | MEWI-GW-MW4-0-241205      | EPA 3010A       | 492718   | EPA 6010D         | 492888           |
| 10718154006 | MEWI-GW-MW5-0-241204      | EPA 3010A       | 492718   | EPA 6010D         | 492888           |
| 10718154011 | MEWI-GW-MW11-0-241205     | EPA 3010A       | 492718   | EPA 6010D         | 492888           |
| 10718154001 | MEWI-GW-MW2-0-241205      | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154002 | MEWI-GW-MW2PDB-0-241205   | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154003 | MEWI-GW-MW3-0-241204      | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154004 | MEWI-GW-MW3-DB-241204     | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154005 | MEWI-GW-MW4-0-241205      | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154006 | MEWI-GW-MW5-0-241204      | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154007 | MEWI-GW-MW5PDB-0-241203   | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154008 | MEWI-GW-MW8-0-241205      | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154009 | MEWI-GW-MW9-0-241204      | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154010 | MEWI-GW-MW9PDB-0-241204   | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154011 | MEWI-GW-MW11-0-241205     | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154012 | MEWI-GW-MW11PDB-0-241205  | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154013 | MEWI-GW-PZ2-0-241203      | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154014 | MEWI-GW-PZ3-0-241203      | EPA 1633 DRAFT  | 984895   | EPA 1633 DRAFT    | 985610           |
| 10718154015 | MEWI-GW-PZ3-DB-241203     | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154016 | MEWI-GW-PZ3a-0-241203     | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154017 | MEWI-GW-PZ3b-0-241203     | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154018 | MEWI-GW-PZ3c-0-241203     | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154019 | MEWI-GW-PZ4-0-241203      | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154020 | MEWI-GW-PZ5-0-241203      | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154021 | MEWI-GW-PZ6-0-241203      | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154022 | MEWI-GW-PZ7-0-241203      | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154023 | MEWI-GW-PZ8-0-241204      | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154024 | MEWI-GW-PZ9-0-241204      | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154025 | MEWI-GW-PZ10-0-241203     | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154026 | MEWI-GW-PZ11-0-241203     | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154027 | MEWI-GW-PZ12-0-241203     | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154028 | MEWI-GW-PZ13-0-241203     | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154029 | MEWI-SW-CREEK01-0-241202  | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154030 | MEWI-SW-CREEK02-0-241202  | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154031 | MEWI-SW-CREEK03-0-241202  | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154032 | MEWI-SW-CREEK03-DB-241202 | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154033 | MEWI-SW-CREEK04-0-241202  | EPA 1633 DRAFT  | 984924   | EPA 1633 DRAFT    | 985780           |
| 10718154034 | MEWI-W-TB1-TB-241205      | EPA 1633 DRAFT  | 984659   | EPA 1633 DRAFT    | 985293           |
| 10718154035 | MEWI-W-FB1-FB-241204      | EPA 1633 DRAFT  | 984659   | EPA 1633 DRAFT    | 985293           |
| 10718154036 | MEWI-W-FB2-FB-241204      | EPA 1633 DRAFT  | 984659   | EPA 1633 DRAFT    | 985293           |
| 10718154037 | MEWI-W-FB3-FB-241205      | EPA 1633 DRAFT  | 984659   | EPA 1633 DRAFT    | 985293           |

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E24-0655 - 3M Menomonie GW-Revised Report

Pace Project No.: 10718154

| Lab ID      | Sample ID             | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------------------|-----------------|----------|-------------------|------------------|
| 10718154038 | MEWI-W-FB4-FB-241205  | EPA 1633 DRAFT  | 984659   | EPA 1633 DRAFT    | 985293           |
| 10718154039 | MEWI-W-EB1-EB-241205  | EPA 1633 DRAFT  | 984659   | EPA 1633 DRAFT    | 985293           |
| 10718154013 | MEWI-GW-PZ2-0-241203  | SM 5310C        | 492686   |                   |                  |
| 10718154014 | MEWI-GW-PZ3-0-241203  | SM 5310C        | 492686   |                   |                  |
| 10718154019 | MEWI-GW-PZ4-0-241203  | SM 5310C        | 492686   |                   |                  |
| 10718154027 | MEWI-GW-PZ12-0-241203 | SM 5310C        | 492686   |                   |                  |

## REPORT OF LABORATORY ANALYSIS

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WO#: 10718154



10718154

3M Global EHS Laboratory

Sample Shipping Address  
Pace Analytical Services, LLC - Minneapolis

1700 Elm St SE  
Minneapolis, MN 55414  
Attn: Martha Hansen

Chain of Custody / Request for Analytical

Project Description: 3M Menomonic Groundwater Q4 2024

Project Requester

Requester: Chambers, Britta (MAPLEWOOD-3MUS-MN 3M CENTI  
Department: 530711 Site Source: 01J9C020  
Project Created: 11/20/2024 9:02:29AM

3M Project Lead

Amanda Albrecht  
Email Address: aalbrecht2@mmm.com  
Phone Number: 651-736-9414

Project: E24-0655

Profile 44134 line 22

MH2  
12/19/24

Number of Containers

| Item | 3M Sample Number | Sample Description           | Date/Time Sampled | Matrix | Type of Sample                                                         | Sample Comment               | Record each container type/<br>preservative collected | Number of Containers |
|------|------------------|------------------------------|-------------------|--------|------------------------------------------------------------------------|------------------------------|-------------------------------------------------------|----------------------|
| 1    | E24-0655-001     | MEWI-GW-MW2-0- 241205        | 12/15/24 13:45    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                              |                                                       | 2 1                  |
| 2    | E24-0655-002     | MEWI-GW-MW2PDB-0- 241205     | 12/15/24 12:35    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 1                    |
| 3    | E24-0655-003     | MEWI-GW-MW3-0- 241204        | 12/14/24 11:50    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 2 1                  |
| 4    | E24-0655-004     | MEWI-GW-MW3-DB- 241204       | 12/14/24 11:50    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 2 1                  |
| 5    | E24-0655-005     | <del>MEWI-GW-MW3PDB-0-</del> |                   | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       |                      |
| 6    | E24-0655-006     | MEWI-GW-MW4-0- 241205        | 12/15/24 9:30     | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 2 1                  |
| 7    | E24-0655-007     | <del>MEWI-GW-MW4PDB-0-</del> | 12/14/24 13:55    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       |                      |
| 8    | E24-0655-008     | MEWI-GW-MW5-0- 241204        | 12/14/24 13:55    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 2 1                  |
| 9    | E24-0655-009     | MEWI-GW-MW5PDB-0- 241203     | 12/13/24 8:20     | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 2 1                  |
| 10   | E24-0655-010     | MEWI-GW-MW8-0- 241205        | 12/15/24 12:10    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 2 1                  |
| 11   | E24-0655-011     | MEWI-GW-MW9-0- 241204        | 12/14/24 10:30    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 2 1                  |
| 12   | E24-0655-012     | MEWI-GW-MW9PDB-0- 241204     | 12/14/24 9:15     | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 1                    |
| 13   | E24-0655-013     | MEWI-GW-MW11-0- 241205       | 12/15/24 10:40    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 2 1                  |
| 14   | E24-0655-014     | MEWI-GW-MW11PDB-0- 241205    | 12/15/24 10:10    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            |                              |                                                       | 1                    |
| 15   | E24-0655-015     | MEWI-GW-PZ2-0- 241203        | 12/13/24 16:25    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            | Carbon collected 12/14 16:15 |                                                       | 2 1                  |
| 16   | E24-0655-016     | MEWI-GW-PZ3-0- 241203        | 12/13/24 14:35    | WG     | <input type="checkbox"/> Grab <input type="checkbox"/> Comp            | Carbon collected 12/14 16:15 |                                                       | 2 1                  |

|                                    |                                    |                                                                                                       |  |
|------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------|--|
| Collected by (print): Liz Brebertz | Collector's signature: [Signature] | Comments                                                                                              |  |
| Relinquished by: [Signature]       | Date: 12/16                        | 250-P41NO3 for iron has 2 bottles -<br>15. Head for dissolved iron & 1 non-filtered<br>for total iron |  |
| Time: 12:00                        | Shipped Via: FedEx                 |                                                                                                       |  |
| Date: 12/16/2024                   | Received by: [Signature]           |                                                                                                       |  |
| Time: 12:24                        |                                    |                                                                                                       |  |
| Date: 12-24                        |                                    |                                                                                                       |  |
| Time: 8:50                         |                                    |                                                                                                       |  |

Contact EHS Lab project lead or refer to GPO for project details,  
including requested tests and target analytes, if not specified.

# 3M Global EHS Laboratory

**Sample Shipping Address**  
 Pace Analytical Services, LLC - Minneapolis  
 1700 Elm St SE  
 Minneapolis, MN 55414  
 Attn: Martha Hansen

## Chain of Custody / Request for Analytical

**Project Description:** 3M Menomonie Groundwater Q4 2024  
**Project Requester:**  
 Requester: Chambers, Britta (MAPLEWOOD-3MUS-MN 3M CENTI  
 Department: 530711 Site Source: 019C020  
 Project Created: 11/20/2024 9:02:29AM

Project: E24-0655 (cont.)

Profile 44134 Line 21  
**3M Project Lead**  
 Amanda Albrecht  
 Email Address: aalbrecht2@mmm.com  
 Phone Number: 651-736-9414

M42  
 12/9/24

Number of Containers

| Item | 3M Sample Number | Sample Description | Date/Time Sampled | Matrix | Type of Sample                                                         | Sample Comment | Record each container type/<br>preservative collected | Number of Containers |
|------|------------------|--------------------|-------------------|--------|------------------------------------------------------------------------|----------------|-------------------------------------------------------|----------------------|
| 17   | E24-0655-017     | MEWI-GW-PZ3-DB-    | 12/13/24 14:33    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | 500ml-P                                               | 2 1                  |
| 18   | E24-0655-018     | MEWI-GW-PZ3a-0-    | 12/13/24 15:31    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | 135ml-P                                               | 2 1                  |
| 19   | E24-0655-019     | MEWI-GW-PZ3b-0-    | 12/13/24 15:40    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 20   | E24-0655-020     | MEWI-GW-PZ3c-0-    | 12/13/24 16:10    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 21   | E24-0655-021     | MEWI-GW-PZ4-0-     | 12/13/24 11:53    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 22   | E24-0655-022     | MEWI-GW-PZ5-0-     | 12/13/24 11:40    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 23   | E24-0655-023     | MEWI-GW-PZ6-0-     | 12/13/24 11:25    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 24   | E24-0655-024     | MEWI-GW-PZ7-0-     | 12/13/24 11:10    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 25   | E24-0655-025     | MEWI-GW-PZ8-0-     | 12/14/24 8:15     | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 26   | E24-0655-026     | MEWI-GW-PZ9-0-     | 12/14/24 8:34     | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 27   | E24-0655-027     | MEWI-GW-PZ10-0-    | 12/13/25 10:55    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 28   | E24-0655-028     | MEWI-GW-PZ11-0-    | 12/13/24 10:40    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 29   | E24-0655-029     | MEWI-GW-PZ12-0-    | 12/13/24 10:23    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 30   | E24-0655-030     | MEWI-GW-PZ13-0-    | 12/13/24 10:10    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 31   | E24-0655-031     | MEWI-SW-CREEK01-0- | 12/12/24 13:10    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |
| 32   | E24-0655-032     | MEWI-SW-CREEK02-0- | 12/12/24 13:39    | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                | None                                                  | 2 1                  |

|                                          |                       |                                           |                                 |
|------------------------------------------|-----------------------|-------------------------------------------|---------------------------------|
| Collected by (print): <u>Liz Bebertz</u> |                       | Collector's signature: <u>[Signature]</u> |                                 |
| Relinquished by: <u>Zachary</u>          | Date: <u>12/24/24</u> | Shipped Via: <u>Express</u>               | Received by: <u>[Signature]</u> |
|                                          |                       |                                           |                                 |
|                                          |                       |                                           |                                 |
|                                          |                       |                                           |                                 |
|                                          |                       |                                           |                                 |
|                                          |                       |                                           |                                 |

Contact EHS Lab project lead or refer to GPO for project details,  
 including requested tests and target analytes, if not specified.

# 3M Global EHS Laboratory

## Chain of Custody / Request for Analytical

Project: E24-0655 (cont.)

**Sample Shipping Address**  
Pace Analytical Services, LLC - Minneapolis  
1700 Elm St SE  
Minneapolis, MN 55414  
Attn: Martha Hansen

**Project Description:** 3M Menomonic Groundwater Q4 2024  
**Project Requester:**  
Requester: Chambers, Britta (MAPLEWOOD-3MUS-MN 3M CENTI  
Department: 530711 Site Source: 01J9C020  
Project Created: 11/20/2024 9:02:29AM

**3M Project Lead**  
Amanda Albrecht  
Email Address: aalbrecht2@mmm.com  
Phone Number: 651-736-9414

| Item | 3M Sample Number | Sample Description  | Date/Time Sampled | Matrix | Type of Sample                                                         | Sample Comment  | Record each container type/<br>preservative collected | Number of Containers |
|------|------------------|---------------------|-------------------|--------|------------------------------------------------------------------------|-----------------|-------------------------------------------------------|----------------------|
| 33   | E24-0655-033     | MEWI-SW-CREEK03-0-  | 12/2/24 14:15     | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp | 2 500-P, 1-125P | 2 500-P, 1-125P                                       | 031                  |
| 34   | E24-0655-034     | MEWI-SW-CREEK03-DB- | 12/2/24 14:15     | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                 |                                                       | 032                  |
| 35   | E24-0655-035     | MEWI-SW-CREEK04-0-  | 12/2/24 13:30     | WG     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                 |                                                       | 033                  |
| 36   | E24-0655-036     | MEWI-W-TB1-TB-      | 12/5/24 10:30     | WQ     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                 |                                                       | 034                  |
| 37   | E24-0655-037     | MEWI-W-FB1-FB-      | 12/4/24 12:00     | WQ     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                 |                                                       | 035                  |
| 38   | E24-0655-038     | MEWI-W-FB2-FB-      | 12/4/24 15:20     | WQ     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                 |                                                       | 036                  |
| 39   | E24-0655-039     | MEWI-W-FB3-FB-      | 12/5/24 8:25      | WQ     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                 |                                                       | 037                  |
| 40   | E24-0655-040     | MEWI-W-FB4-FB-      | 12/5/24 13:00     | WQ     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                 |                                                       | 038                  |
| 41   | E24-0655-041     | MEWI-W-FB1-FB-      | 12/5/24 14:00     | WQ     | <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Comp |                 |                                                       | 039                  |

|                                        |                   |                                           |                                 |
|----------------------------------------|-------------------|-------------------------------------------|---------------------------------|
| Collected by (print): <u>Zach Frye</u> |                   | Collector's signature: <u>[Signature]</u> |                                 |
| Relinquished by: <u>Zach Frye</u>      | Date: <u>12/6</u> | Shipped Via: <u>Truck</u>                 | Received by: <u>[Signature]</u> |
|                                        |                   |                                           |                                 |
|                                        |                   |                                           |                                 |
|                                        |                   |                                           |                                 |
|                                        |                   |                                           |                                 |
|                                        |                   |                                           |                                 |
|                                        |                   |                                           |                                 |

Comments: FB - 1 bottle full, transfer bottle empty

Contact EHS Lab project lead or refer to GPO for project details, including requested tests and target analytes, if not specified.

# ENV-FRM-MIN4-0150 v17\_Sample Condition Upon Receipt

CLIENT NAME: 3M PROJECT #:

COURIER: ☐ Client ☐ Commercial ☒ FedEx ☐ Pace  
☐ Speedee ☐ UPS ☐ USPS

WO#: 10718154

PM: CT1

Due Date: 12/31/24

CLIENT: 3M ENV

TRACKING NUMBER: ☒ See Exceptions form ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present: ☒ YES ☐ NO Seals Intact: ☒ YES ☐ NO

Biological Tissue Frozen: ☐ YES ☐ NO ☒ N/A

Packing Material: ☐ Bubble Bags ☐ Bubble Wrap ☒ None ☐ Other Temp Blank: ☐ YES ☒ NO

Type of Ice: ☐ Blue ☐ Dry ☒ Wet

Thermometer: ☒ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☐ T4 (0402) ☐ T5 (0178) ☐ T6 (0235)  
☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710)

☐ Melted ☐ None

|                                                                                                             |                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Did Samples Originate in West Virginia: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | Were All Container Temps taken: <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A |
| Correction Factor: <u>+0.3</u> Cooler Temp Read w/Temp Blank: _____ °C                                      | Average Corrected Temp (no Temp Blank Only): <u>5.1/4.8/5.3</u>                                                                  |
| Cooler Temp Corrected w/Temp Blank: _____ °C                                                                | <input type="checkbox"/> See Exceptions Form ENV-FRM-MIN4-0142 <input type="checkbox"/> 1 Container                              |

USDA Regulated Soil: ☒ N/A (Water Sample/Other (describe): \_\_\_\_\_)

Initials & Date of Person Examining Contents: EC 12-9-24

Did Samples originate from one of the following states (check maps) – AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☐ NO

Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☐ NO

NOTE: 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                                                                                                                                                                                                                  | YES                                 | NO                                  | N/A                                 | COMMENT(S)                                                                                                                                                                                                                                                                                                                                       |                |  |  |  |                   |          |           |            |  |        |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|--|--|-------------------|----------|-----------|------------|--|--------|--|--|
| Chain of Custody Present and Filled Out?                                                                                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 1.                                                                                                                                                                                                                                                                                                                                               |                |  |  |  |                   |          |           |            |  |        |  |  |
| Chain of Custody Relinquished?                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 2.                                                                                                                                                                                                                                                                                                                                               |                |  |  |  |                   |          |           |            |  |        |  |  |
| Sampler Name and/or Signature on COC?                                                                                                                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 3.                                                                                                                                                                                                                                                                                                                                               |                |  |  |  |                   |          |           |            |  |        |  |  |
| Samples Arrived within Hold Time?                                                                                                                                                                                                                                                                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 4. If Fecal: <input type="checkbox"/> <8 hrs <input type="checkbox"/> >8 hr, <24 hr <input type="checkbox"/> No                                                                                                                                                                                                                                  |                |  |  |  |                   |          |           |            |  |        |  |  |
| Short Hold Time Analysis (<72 hr)?                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 5. <input type="checkbox"/> BOD / cBOD <input type="checkbox"/> Fecal coliform <input type="checkbox"/> Hex Chrom<br><input type="checkbox"/> HPC <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Ortho Phos<br><input type="checkbox"/> Total coliform/E. coli <input type="checkbox"/> Other: _____ |                |  |  |  |                   |          |           |            |  |        |  |  |
| Rush Turn Around Time Requested?                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 6.                                                                                                                                                                                                                                                                                                                                               |                |  |  |  |                   |          |           |            |  |        |  |  |
| Sufficient Sample Volume?                                                                                                                                                                                                                                                                                                                                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 7. TOC not recd. MEWI-GW-PZ3-DB-241203                                                                                                                                                                                                                                                                                                           |                |  |  |  |                   |          |           |            |  |        |  |  |
| Correct Containers Used?                                                                                                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 8.                                                                                                                                                                                                                                                                                                                                               |                |  |  |  |                   |          |           |            |  |        |  |  |
| – Pace Containers Used?                                                                                                                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 9.                                                                                                                                                                                                                                                                                                                                               |                |  |  |  |                   |          |           |            |  |        |  |  |
| Containers Intact?                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 10. Is sediment visible in the dissolved container:<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                                                                                                                                                                                       |                |  |  |  |                   |          |           |            |  |        |  |  |
| Field Filtered Volume Received for Dissolved Tests?                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 11. If NO, write ID/Date/Time of container below:<br><input type="checkbox"/> See Exceptions form ENV-FRM-MIN4-0142                                                                                                                                                                                                                              |                |  |  |  |                   |          |           |            |  |        |  |  |
| Is sufficient information available to reconcile the samples to the COC?<br>NOTE: If ID/Date/Time don't match fill out section 11.<br>Matrix: <input type="checkbox"/> Oil <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Water <input type="checkbox"/> Other                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 12. Sample #: <u>201-905</u><br><input checked="" type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> Zinc Acetate<br>Positive for Residual Chlorine: <input type="checkbox"/> YES <input type="checkbox"/> NO                                     |                |  |  |  |                   |          |           |            |  |        |  |  |
| All containers needing acid/base preservation have been checked?<br>All containers needing preservation are found to be in compliance with EPA recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)<br>Exceptions: VOA, Coliform, TOC, DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <table border="1"> <thead> <tr> <th colspan="4">pH Paper Lot #</th> </tr> <tr> <th>Residual Chlorine</th> <th>0-6 Roll</th> <th>0-6 Strip</th> <th>0-14 Strip</th> </tr> </thead> <tbody> <tr> <td></td> <td>205224</td> <td></td> <td></td> </tr> </tbody> </table>                                                                             | pH Paper Lot # |  |  |  | Residual Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip |  | 205224 |  |  |
| pH Paper Lot #                                                                                                                                                                                                                                                                                                                                           |                                     |                                     |                                     |                                                                                                                                                                                                                                                                                                                                                  |                |  |  |  |                   |          |           |            |  |        |  |  |
| Residual Chlorine                                                                                                                                                                                                                                                                                                                                        | 0-6 Roll                            | 0-6 Strip                           | 0-14 Strip                          |                                                                                                                                                                                                                                                                                                                                                  |                |  |  |  |                   |          |           |            |  |        |  |  |
|                                                                                                                                                                                                                                                                                                                                                          | 205224                              |                                     |                                     |                                                                                                                                                                                                                                                                                                                                                  |                |  |  |  |                   |          |           |            |  |        |  |  |
| NOTE: If adding preservation to the container, verify with the PM first.<br>Clients may require adding preservative to the field and equipment blanks when this occurs.                                                                                                                                                                                  |                                     |                                     |                                     | <input type="checkbox"/> See Exceptions form ENV-FRM-MIN4-0142                                                                                                                                                                                                                                                                                   |                |  |  |  |                   |          |           |            |  |        |  |  |
| Headspace in Methyl Mercury Container?                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 13.                                                                                                                                                                                                                                                                                                                                              |                |  |  |  |                   |          |           |            |  |        |  |  |
| Extra labels present on soil VOA or WIDRO containers?                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 14.                                                                                                                                                                                                                                                                                                                                              |                |  |  |  |                   |          |           |            |  |        |  |  |
| Headspace in VOA Vials (greater than 6mm)?                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> See Exceptions form ENV-FRM-MIN4-0140                                                                                                                                                                                                                                                                                   |                |  |  |  |                   |          |           |            |  |        |  |  |
| Trip Blanks Present?                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 15.                                                                                                                                                                                                                                                                                                                                              |                |  |  |  |                   |          |           |            |  |        |  |  |
| Trip Blank Custody Seals Present?                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Pace Trip Blank Lot # (if purchased): _____                                                                                                                                                                                                                                                                                                      |                |  |  |  |                   |          |           |            |  |        |  |  |

## CLIENT NOTIFICATION / RESOLUTION

Person Contacted: Mandy Albrecht

Date & Time: 12/10/24

FIELD DATA REQUIRED: ☐ YES ☐ NO

Comments / Resolution: TOC requested on COC for 015 but no bottle included

Project Manager Review: Carolynne Trout

Date: 12/10/24

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

Labeled By: EC

Line: 2

ENV-FRM-MIN4-0142 v03\_Sample Condition Upon Receipt - Exceptions

Workorder #: \_\_\_\_\_

| No Temp Blank |     |     |                |     |              |
|---------------|-----|-----|----------------|-----|--------------|
| Read Temp     |     |     | Corrected Temp |     | Average temp |
| 4.4           | 4.3 | 4.8 | 4.7            | 4.6 | 5.1          |
| 4.8           | 4.6 | 4.2 | 5.1            | 4.9 | 4.5          |
| 4.7           | 4.6 | 5.4 | 5.0            | 4.9 | 5.2          |
| 5.1           | 4.5 | 5.4 | 5.4            | 4.8 | 5.7          |

|                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PM Notified of Out of Temp Cooler?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO<br>If yes, indicate who was contacted, date and time.<br>If no, indicate reason why.<br><br> |
| <b>Multiple Cooler Project?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                        |

If anything is OVER 6.0°C, you **MUST** document containers in this section HERE



| Tracking Number | Temperature |
|-----------------|-------------|
| 70481463 1649   | 5.1         |
| 70481463 1660   | 4.8         |
| 70481463 1650   | 5.3         |
|                 |             |
|                 |             |
|                 |             |
|                 |             |
|                 |             |
|                 |             |
|                 |             |



| Out of Temp Sample ID | Container Type | # of Containers |
|-----------------------|----------------|-----------------|
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |
|                       |                |                 |

| pH Adjustment Log for Preserved Samples |                  |                 |               |               |                   |             |          |                               |                          |          |
|-----------------------------------------|------------------|-----------------|---------------|---------------|-------------------|-------------|----------|-------------------------------|--------------------------|----------|
| Sample ID                               | Type Of Preserve | pH Upon Receipt | Date Adjusted | Time Adjusted | Amount Added (mL) | Lot # Added | pH After | In Compliance After Addition? |                          | Initials |
|                                         |                  |                 |               |               |                   |             |          | YES                           | NO                       |          |
|                                         |                  |                 |               |               |                   |             |          | <input type="checkbox"/>      | <input type="checkbox"/> |          |
|                                         |                  |                 |               |               |                   |             |          | <input type="checkbox"/>      | <input type="checkbox"/> |          |
|                                         |                  |                 |               |               |                   |             |          | <input type="checkbox"/>      | <input type="checkbox"/> |          |
|                                         |                  |                 |               |               |                   |             |          | <input type="checkbox"/>      | <input type="checkbox"/> |          |
|                                         |                  |                 |               |               |                   |             |          | <input type="checkbox"/>      | <input type="checkbox"/> |          |
|                                         |                  |                 |               |               |                   |             |          | <input type="checkbox"/>      | <input type="checkbox"/> |          |
|                                         |                  |                 |               |               |                   |             |          | <input type="checkbox"/>      | <input type="checkbox"/> |          |
|                                         |                  |                 |               |               |                   |             |          | <input type="checkbox"/>      | <input type="checkbox"/> |          |

Comments: