



October 07, 2025

Timmy Lynn  
City of Cullman Water and Waste (UCMR5)  
1717 Eva Road  
Cullman, AL 35055

RE: Project: UCMR5\_SE3\_Sep2025\_RS1  
Pace Project No.: 35985622

Dear Timmy Lynn:

Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2025. 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 - Ormond Beach

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

Sincerely,

A handwritten signature in black ink that reads 'Rebecca Selph'.

Rebecca Selph  
rebecca.selph@pacelabs.com  
(386)672-5668  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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



## CERTIFICATIONS

Project: UCMR5\_SE3\_Sep2025\_RS1

Pace Project No.: 35985622

### Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

California Certification# 3096

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

DoD-ANAB #:ADE-3199

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

Nevada Certification: FL NELAC Reciprocity

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Utah

Utah FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

Washington Certification #: C955

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

## REPORT OF LABORATORY ANALYSIS

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



SAMPLE SUMMARY

Project: UCMR5\_SE3\_Sep2025\_RS1  
Pace Project No.: 35985622

| Lab ID      | Sample ID                      | Matrix         | Date Collected | Date Received  |
|-------------|--------------------------------|----------------|----------------|----------------|
| 35985622001 | 07978 Cullman Utilities Intert | Drinking Water | 09/23/25 08:35 | 09/24/25 11:50 |
| 35985622002 | FRB-07978 Cullman Utilities In | Drinking Water | 09/23/25 08:30 | 09/24/25 11:50 |

REPORT OF LABORATORY ANALYSIS

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



SAMPLE ANALYTE COUNT

Project: UCMR5\_SE3\_Sep2025\_RS1  
Pace Project No.: 35985622

| Lab ID      | Sample ID |                          | Method    | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|--------------------------|-----------|----------|-------------------|------------|
| 35985622001 | 07978     | Cullman Utilities Intert | EPA 533   | SWR      | 41                | PASI-O     |
|             |           |                          | EPA 537.1 | SWR      | 8                 | PASI-O     |

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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



## ANALYTICAL RESULTS

Project: UCMR5\_SE3\_Sep2025\_RS1

Pace Project No.: 35985622

**Sample: 07978** **Cullman Utilities** **Lab ID: 35985622001** Collected: 09/23/25 08:35 Received: 09/24/25 11:50 Matrix: Drinking Water  
**Intert**

| Parameters                                                 | Results  | Units | PQL    | MDL    | DF | Prepared       | Analyzed       | CAS No.     | Qual |
|------------------------------------------------------------|----------|-------|--------|--------|----|----------------|----------------|-------------|------|
| <b>533 PFAS Compounds, UCMR</b>                            |          |       |        |        |    |                |                |             |      |
| Analytical Method: EPA 533 Preparation Method: EPA 533     |          |       |        |        |    |                |                |             |      |
| Initial Volume/Weight: 225.63 mL Final Volume/Weight: 1 mL |          |       |        |        |    |                |                |             |      |
| Pace Analytical Services - Ormond Beach                    |          |       |        |        |    |                |                |             |      |
| 11CI-PF3OUdS                                               | 0.0019 U | ug/L  | 0.0055 | 0.0019 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 763051-92-9 |      |
| 4:2 FTS                                                    | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 757124-72-4 |      |
| 6:2 FTS                                                    | 0.0019 U | ug/L  | 0.0055 | 0.0019 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 27619-97-2  |      |
| 8:2 FTS                                                    | 0.0019 U | ug/L  | 0.0055 | 0.0019 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 39108-34-4  |      |
| 9CI-PF3ONS                                                 | 0.0007 U | ug/L  | 0.0022 | 0.0007 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 756426-58-1 |      |
| ADONA                                                      | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 919005-14-4 |      |
| HFPO-DA                                                    | 0.0019 U | ug/L  | 0.0055 | 0.0019 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 13252-13-6  |      |
| NFDHA                                                      | 0.0074 U | ug/L  | 0.022  | 0.0074 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 151772-58-6 |      |
| PFBS                                                       | 0.0013 I | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 375-73-5    |      |
| PFDA                                                       | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 335-76-2    |      |
| PFHxA                                                      | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 307-24-4    |      |
| PFBA                                                       | 0.0027 I | ug/L  | 0.0055 | 0.0019 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 375-22-4    |      |
| PFEESA                                                     | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 113507-82-7 |      |
| PFHpS                                                      | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 375-92-8    |      |
| PFMBA                                                      | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 863090-89-5 |      |
| PFMPA                                                      | 0.0015 U | ug/L  | 0.0044 | 0.0015 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 377-73-1    |      |
| PFPeA                                                      | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 2706-90-3   |      |
| PFPeS                                                      | 0.0015 U | ug/L  | 0.0044 | 0.0015 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 2706-91-4   |      |
| PFDoA                                                      | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 307-55-1    |      |
| PFHpA                                                      | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 375-85-9    |      |
| PFHxS                                                      | 0.0011 U | ug/L  | 0.0033 | 0.0011 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 355-46-4    |      |
| PFNA                                                       | 0.0015 U | ug/L  | 0.0044 | 0.0015 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 375-95-1    |      |
| PFOS                                                       | 0.0019 I | ug/L  | 0.0044 | 0.0015 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 1763-23-1   |      |
| PFOA                                                       | 0.0015 U | ug/L  | 0.0044 | 0.0015 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 335-67-1    |      |
| PFUnA                                                      | 0.0007 U | ug/L  | 0.0022 | 0.0007 | 1  | 09/25/25 23:22 | 09/26/25 16:10 | 2058-94-8   |      |
| <b>Surrogates</b>                                          |          |       |        |        |    |                |                |             |      |
| 13C24:2FTS (S)                                             | 177      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C26:2FTS (S)                                             | 121      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C28:2FTS (S)                                             | 111      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C2-PFDoA (S)                                             | 89       | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C3HFPO-DA(S)                                             | 101      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C3-PFBS (S)                                              | 103      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C3-PFHxS (S)                                             | 105      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C4-PFBA (S)                                              | 105      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C4-PFHpA (S)                                             | 101      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C5-PFHxA (S)                                             | 101      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C5-PFPeA (S)                                             | 108      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C6-PFDA (S)                                              | 93       | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C7-PFUDa (S)                                             | 92       | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C8-PFOA (S)                                              | 98       | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C8-PFOS (S)                                              | 105      | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |
| 13C9-PFNA (S)                                              | 97       | %     | 50-200 |        | 1  | 09/25/25 23:22 | 09/26/25 16:10 |             |      |

## REPORT OF LABORATORY ANALYSIS

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



## ANALYTICAL RESULTS

Project: UCMR5\_SE3\_Sep2025\_RS1

Pace Project No.: 35985622

Sample: 07978 Cullman Utilities Lab ID: 35985622001 Collected: 09/23/25 08:35 Received: 09/24/25 11:50 Matrix: Drinking Water  
Intert

| Parameters                                                 | Results  | Units | PQL    | MDL    | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|----------|-------|--------|--------|----|----------------|----------------|------------|------|
| <b>537.1 PFAS Compounds, UCMR</b>                          |          |       |        |        |    |                |                |            |      |
| Analytical Method: EPA 537.1 Preparation Method: EPA 537.1 |          |       |        |        |    |                |                |            |      |
| Initial Volume/Weight: 234.52 mL Final Volume/Weight: 1 mL |          |       |        |        |    |                |                |            |      |
| Pace Analytical Services - Ormond Beach                    |          |       |        |        |    |                |                |            |      |
| NEtFOSAA                                                   | 0.0018 U | ug/L  | 0.0064 | 0.0018 | 1  | 09/25/25 23:15 | 09/26/25 20:31 | 2991-50-6  |      |
| NMeFOSAA                                                   | 0.0021 U | ug/L  | 0.0064 | 0.0021 | 1  | 09/25/25 23:15 | 09/26/25 20:31 | 2355-31-9  |      |
| PFTeDA                                                     | 0.0028 U | ug/L  | 0.0085 | 0.0028 | 1  | 09/25/25 23:15 | 09/26/25 20:31 | 376-06-7   |      |
| PFTrDA                                                     | 0.0025 U | ug/L  | 0.0075 | 0.0025 | 1  | 09/25/25 23:15 | 09/26/25 20:31 | 72629-94-8 |      |
| <b>Surrogates</b>                                          |          |       |        |        |    |                |                |            |      |
| 13C2-PFDA (S)                                              | 111      | %     | 70-130 |        | 1  | 09/25/25 23:15 | 09/26/25 20:31 |            |      |
| 13C2-PFHxA (S)                                             | 95       | %     | 70-130 |        | 1  | 09/25/25 23:15 | 09/26/25 20:31 |            |      |
| NEtFOSAA-d5 (S)                                            | 92       | %     | 70-130 |        | 1  | 09/25/25 23:15 | 09/26/25 20:31 |            |      |
| HFPO-DAS (S)                                               | 91       | %     | 70-130 |        | 1  | 09/25/25 23:15 | 09/26/25 20:31 |            |      |

## REPORT OF LABORATORY ANALYSIS

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



## QUALITY CONTROL DATA

Project: UCMR5\_SE3\_Sep2025\_RS1

Pace Project No.: 35985622

QC Batch: 1132100

Analysis Method: EPA 533

QC Batch Method: EPA 533

Analysis Description: 533 PFAS Compounds, UCMR

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35985622001

METHOD BLANK: 6205790

Matrix: Drinking Water

Associated Lab Samples: 35985622001

| Parameter      | Units | Blank Result | Reporting Limit | MDL    | Analyzed       | Qualifiers |
|----------------|-------|--------------|-----------------|--------|----------------|------------|
| 11CI-PF3OUdS   | ug/L  | 0.0017 U     | 0.0050          | 0.0017 | 09/26/25 14:15 |            |
| 4:2 FTS        | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| 6:2 FTS        | ug/L  | 0.0017 U     | 0.0050          | 0.0017 | 09/26/25 14:15 |            |
| 8:2 FTS        | ug/L  | 0.0017 U     | 0.0050          | 0.0017 | 09/26/25 14:15 |            |
| 9CI-PF3ONS     | ug/L  | 0.0007 U     | 0.0020          | 0.0007 | 09/26/25 14:15 |            |
| ADONA          | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| HFPO-DA        | ug/L  | 0.0017 U     | 0.0050          | 0.0017 | 09/26/25 14:15 |            |
| NFDHA          | ug/L  | 0.0067 U     | 0.020           | 0.0067 | 09/26/25 14:15 |            |
| PFBA           | ug/L  | 0.0017 U     | 0.0050          | 0.0017 | 09/26/25 14:15 |            |
| PFBS           | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFDA           | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFDaA          | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFEESA         | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFHpA          | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFHpS          | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFHxA          | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFHxS          | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFMBA          | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFMPA          | ug/L  | 0.0013 U     | 0.0040          | 0.0013 | 09/26/25 14:15 |            |
| PFNA           | ug/L  | 0.0013 U     | 0.0040          | 0.0013 | 09/26/25 14:15 |            |
| PFOA           | ug/L  | 0.0013 U     | 0.0040          | 0.0013 | 09/26/25 14:15 |            |
| PFOS           | ug/L  | 0.0013 U     | 0.0040          | 0.0013 | 09/26/25 14:15 |            |
| PFPeA          | ug/L  | 0.0010 U     | 0.0030          | 0.0010 | 09/26/25 14:15 |            |
| PFPeS          | ug/L  | 0.0013 U     | 0.0040          | 0.0013 | 09/26/25 14:15 |            |
| PFUnA          | ug/L  | 0.0007 U     | 0.0020          | 0.0007 | 09/26/25 14:15 |            |
| 13C2-PFDaA (S) | %     | 94           | 50-200          |        | 09/26/25 14:15 |            |
| 13C24:2FTS (S) | %     | 113          | 50-200          |        | 09/26/25 14:15 |            |
| 13C26:2FTS (S) | %     | 106          | 50-200          |        | 09/26/25 14:15 |            |
| 13C28:2FTS (S) | %     | 105          | 50-200          |        | 09/26/25 14:15 |            |
| 13C3-PFBS (S)  | %     | 109          | 50-200          |        | 09/26/25 14:15 |            |
| 13C3-PFHxS (S) | %     | 110          | 50-200          |        | 09/26/25 14:15 |            |
| 13C3HFPO-DA(S) | %     | 93           | 50-200          |        | 09/26/25 14:15 |            |
| 13C4-PFBA (S)  | %     | 93           | 50-200          |        | 09/26/25 14:15 |            |
| 13C4-PFHpA (S) | %     | 94           | 50-200          |        | 09/26/25 14:15 |            |
| 13C5-PFHxA (S) | %     | 95           | 50-200          |        | 09/26/25 14:15 |            |
| 13C5-PFPeA (S) | %     | 93           | 50-200          |        | 09/26/25 14:15 |            |
| 13C6-PFDA (S)  | %     | 96           | 50-200          |        | 09/26/25 14:15 |            |
| 13C7-PFUDa (S) | %     | 95           | 50-200          |        | 09/26/25 14:15 |            |
| 13C8-PFOA (S)  | %     | 97           | 50-200          |        | 09/26/25 14:15 |            |
| 13C8-PFOS (S)  | %     | 106          | 50-200          |        | 09/26/25 14:15 |            |

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

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



## QUALITY CONTROL DATA

Project: UCMR5\_SE3\_Sep2025\_RS1

Pace Project No.: 35985622

METHOD BLANK: 6205790

Matrix: Drinking Water

Associated Lab Samples: 35985622001

| Parameter     | Units | Blank Result | Reporting Limit | MDL | Analyzed       | Qualifiers |
|---------------|-------|--------------|-----------------|-----|----------------|------------|
| 13C9-PFNA (S) | %     | 99           | 50-200          |     | 09/26/25 14:15 |            |

LABORATORY CONTROL SAMPLE: 6205791

| Parameter      | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------|-------|-------------|------------|-----------|--------------|------------|
| 11CI-PF3OUdS   | ug/L  | 0.0019      | 0.0017 U   | 82        | 50-150       |            |
| 4:2 FTS        | ug/L  | 0.0019      | 0.0017 I   | 88        | 50-150       |            |
| 6:2 FTS        | ug/L  | 0.0019      | 0.0017 U   | 85        | 50-150       |            |
| 8:2 FTS        | ug/L  | 0.0019      | 0.0017 U   | 86        | 50-150       |            |
| 9CI-PF3ONS     | ug/L  | 0.0019      | 0.0015 I   | 81        | 50-150       |            |
| ADONA          | ug/L  | 0.0019      | 0.0015 I   | 79        | 50-150       |            |
| HFPO-DA        | ug/L  | 0.002       | 0.0017 U   | 78        | 50-150       |            |
| NFDHA          | ug/L  | 0.02        | 0.017 I    | 85        | 50-150       |            |
| PFBA           | ug/L  | 0.002       | 0.0017 I   | 84        | 50-150       |            |
| PFBS           | ug/L  | 0.0018      | 0.0015 I   | 85        | 50-150       |            |
| PFDA           | ug/L  | 0.002       | 0.0017 I   | 84        | 50-150       |            |
| PFDaA          | ug/L  | 0.002       | 0.0017 I   | 85        | 50-150       |            |
| PFEESA         | ug/L  | 0.0018      | 0.0014 I   | 78        | 50-150       |            |
| PFHpA          | ug/L  | 0.002       | 0.0017 I   | 87        | 50-150       |            |
| PFHpS          | ug/L  | 0.0019      | 0.0016 I   | 87        | 50-150       |            |
| PFHxA          | ug/L  | 0.002       | 0.0017 I   | 86        | 50-150       |            |
| PFHxS          | ug/L  | 0.0018      | 0.0016 I   | 91        | 50-150       |            |
| PFMBA          | ug/L  | 0.002       | 0.0018 I   | 90        | 50-150       |            |
| PFMPA          | ug/L  | 0.002       | 0.0018 I   | 89        | 50-150       |            |
| PFNA           | ug/L  | 0.002       | 0.0017 I   | 86        | 50-150       |            |
| PFOA           | ug/L  | 0.002       | 0.0017 I   | 87        | 50-150       |            |
| PFOS           | ug/L  | 0.0019      | 0.0017 I   | 89        | 50-150       |            |
| PFPeA          | ug/L  | 0.002       | 0.0017 I   | 87        | 50-150       |            |
| PFPeS          | ug/L  | 0.0019      | 0.0016 I   | 87        | 50-150       |            |
| PFUnA          | ug/L  | 0.002       | 0.0017 I   | 85        | 50-150       |            |
| 13C2-PFDaA (S) | %     |             |            | 110       | 50-200       |            |
| 13C24:2FTS (S) | %     |             |            | 121       | 50-200       |            |
| 13C26:2FTS (S) | %     |             |            | 118       | 50-200       |            |
| 13C28:2FTS (S) | %     |             |            | 116       | 50-200       |            |
| 13C3-PFBS (S)  | %     |             |            | 119       | 50-200       |            |
| 13C3-PFHxS (S) | %     |             |            | 120       | 50-200       |            |
| 13C3HFPO-DA(S) | %     |             |            | 115       | 50-200       |            |
| 13C4-PFBA (S)  | %     |             |            | 115       | 50-200       |            |
| 13C4-PFHpA (S) | %     |             |            | 114       | 50-200       |            |
| 13C5-PFHxA (S) | %     |             |            | 115       | 50-200       |            |
| 13C5-PFPeA (S) | %     |             |            | 116       | 50-200       |            |
| 13C6-PFDA (S)  | %     |             |            | 111       | 50-200       |            |
| 13C7-PFUdA (S) | %     |             |            | 109       | 50-200       |            |
| 13C8-PFOA (S)  | %     |             |            | 114       | 50-200       |            |

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

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



## QUALITY CONTROL DATA

Project: UCMR5\_SE3\_Sep2025\_RS1

Pace Project No.: 35985622

LABORATORY CONTROL SAMPLE: 6205791

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

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 6205792 6205793

| Parameter      | Units | 35985620001 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  | 0.0016 U           | 0.0017         | 0.0019          | 0.0015 U  | 0.0017 U   | 85       | 84        | 70-130       |     | 30      |      |
| 4:2 FTS        | ug/L  | 0.001 U            | 0.0017         | 0.0019          | 0.0017 I  | 0.0016 I   | 98       | 83        | 70-130       |     | 30      |      |
| 6:2 FTS        | ug/L  | 0.0016 U           | 0.0017         | 0.0019          | 0.0016 I  | 0.0017 U   | 89       | 84        | 70-130       |     | 30      |      |
| 8:2 FTS        | ug/L  | 0.0016 U           | 0.0017         | 0.0019          | 0.0018 I  | 0.0017 U   | 99       | 84        | 70-130       |     | 30      |      |
| 9CI-PF3ONS     | ug/L  | 0.0006 U           | 0.0017         | 0.0019          | 0.0015 I  | 0.0015 I   | 86       | 81        | 70-130       |     | 30      |      |
| ADONA          | ug/L  | 0.001 U            | 0.0017         | 0.0019          | 0.0015 I  | 0.0015 I   | 83       | 77        | 70-130       |     | 30      |      |
| HFPO-DA        | ug/L  | 0.0016 U           | 0.0018         | 0.002           | 0.0016 I  | 0.0019 I   | 88       | 95        | 70-130       |     | 30      |      |
| NFDHA          | ug/L  | 0.0063 U           | 0.018          | 0.02            | 0.018 I   | 0.021      | 97       | 106       | 70-130       |     | 30      |      |
| PFBA           | ug/L  | 0.0016 U           | 0.0018         | 0.002           | 0.0018 I  | 0.0017 I   | 93       | 85        | 70-130       |     | 30      |      |
| PFBS           | ug/L  | 0.001 U            | 0.0017         | 0.0018          | 0.0016 I  | 0.0016 I   | 95       | 87        | 70-130       |     | 30      |      |
| PFDA           | ug/L  | 0.001 U            | 0.0018         | 0.002           | 0.0017 I  | 0.0017 I   | 91       | 87        | 70-130       |     | 30      |      |
| PFDaA          | ug/L  | 0.001 U            | 0.0018         | 0.002           | 0.0017 I  | 0.0017 I   | 92       | 87        | 70-130       |     | 30      |      |
| PFEESA         | ug/L  | 0.001 U            | 0.0017         | 0.0018          | 0.0015 I  | 0.0016 I   | 89       | 87        | 70-130       |     | 30      |      |
| PFHpA          | ug/L  | 0.001 U            | 0.0018         | 0.002           | 0.0017 I  | 0.0018 I   | 92       | 87        | 70-130       |     | 30      |      |
| PFHpS          | ug/L  | 0.001 U            | 0.0017         | 0.0019          | 0.0017 I  | 0.0017 I   | 95       | 90        | 70-130       |     | 30      |      |
| PFHxA          | ug/L  | 0.001 U            | 0.0018         | 0.002           | 0.0017 I  | 0.0018 I   | 88       | 89        | 70-130       |     | 30      |      |
| PFHxS          | ug/L  | 0.001 U            | 0.0017         | 0.0018          | 0.0016 I  | 0.0016 I   | 97       | 92        | 70-130       |     | 30      |      |
| PFMBA          | ug/L  | 0.001 U            | 0.0018         | 0.002           | 0.0017 I  | 0.0017 I   | 93       | 88        | 70-130       |     | 30      |      |
| PFMPA          | ug/L  | 0.0013 U           | 0.0018         | 0.002           | 0.0017 I  | 0.0018 I   | 93       | 91        | 70-130       |     | 30      |      |
| PFNA           | ug/L  | 0.0013 U           | 0.0018         | 0.002           | 0.0017 I  | 0.0017 I   | 86       | 80        | 70-130       |     | 30      |      |
| PFOA           | ug/L  | 0.0013 U           | 0.0018         | 0.002           | 0.0018 I  | 0.0018 I   | 95       | 88        | 70-130       |     | 30      |      |
| PFOS           | ug/L  | 0.0013 U           | 0.0017         | 0.0019          | 0.0018 I  | 0.0018 I   | 98       | 93        | 70-130       |     | 30      |      |
| PFPeA          | ug/L  | 0.001 U            | 0.0018         | 0.002           | 0.0017 I  | 0.0018 I   | 92       | 90        | 70-130       |     | 30      |      |
| PFPeS          | ug/L  | 0.0013 U           | 0.0017         | 0.0019          | 0.0016 I  | 0.0016 I   | 91       | 85        | 70-130       |     | 30      |      |
| PFUnA          | ug/L  | 0.0006 U           | 0.0018         | 0.002           | 0.0016 I  | 0.0017 I   | 85       | 83        | 70-130       |     | 30      |      |
| 13C2-PFDaA (S) | %     |                    |                |                 |           |            | 101      | 104       | 50-200       |     |         |      |
| 13C24:2FTS (S) | %     |                    |                |                 |           |            | 115      | 118       | 50-200       |     |         |      |
| 13C26:2FTS (S) | %     |                    |                |                 |           |            | 111      | 122       | 50-200       |     |         |      |
| 13C28:2FTS (S) | %     |                    |                |                 |           |            | 110      | 113       | 50-200       |     |         |      |
| 13C3-PFBS (S)  | %     |                    |                |                 |           |            | 113      | 115       | 50-200       |     |         |      |
| 13C3-PFHxS (S) | %     |                    |                |                 |           |            | 114      | 116       | 50-200       |     |         |      |
| 13C3HFPO-DA(S) | %     |                    |                |                 |           |            | 102      | 102       | 50-200       |     |         |      |
| 13C4-PFBA (S)  | %     |                    |                |                 |           |            | 103      | 108       | 50-200       |     |         |      |
| 13C4-PFHpA (S) | %     |                    |                |                 |           |            | 101      | 106       | 50-200       |     |         |      |
| 13C5-PFHxA (S) | %     |                    |                |                 |           |            | 103      | 107       | 50-200       |     |         |      |
| 13C5-PFPeA (S) | %     |                    |                |                 |           |            | 105      | 110       | 50-200       |     |         |      |

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

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



## QUALITY CONTROL DATA

Project: UCMR5\_SE3\_Sep2025\_RS1

Pace Project No.: 35985622

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6205792 6205793 |       |             |       |       |    |     |     |     |        |     |     |      |
|--------------------------------------------------------|-------|-------------|-------|-------|----|-----|-----|-----|--------|-----|-----|------|
| Parameter                                              | Units | 35985620001 | MS    | MSD   | MS | MSD | MS  | MSD | % Rec  | RPD | Max | Qual |
|                                                        |       | Result      | Spike | Spike |    |     |     |     |        |     |     |      |
| 13C6-PFDA (S)                                          | %     |             |       |       |    |     | 100 | 102 | 50-200 |     |     |      |
| 13C7-PFUdA (S)                                         | %     |             |       |       |    |     | 100 | 104 | 50-200 |     |     |      |
| 13C8-PFOA (S)                                          | %     |             |       |       |    |     | 99  | 104 | 50-200 |     |     |      |
| 13C8-PFOS (S)                                          | %     |             |       |       |    |     | 114 | 114 | 50-200 |     |     |      |
| 13C9-PFNA (S)                                          | %     |             |       |       |    |     | 100 | 104 | 50-200 |     |     |      |

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

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



## QUALITY CONTROL DATA

Project: UCMR5\_SE3\_Sep2025\_RS1

Pace Project No.: 35985622

|                  |           |                       |                                         |
|------------------|-----------|-----------------------|-----------------------------------------|
| QC Batch:        | 1132092   | Analysis Method:      | EPA 537.1                               |
| QC Batch Method: | EPA 537.1 | Analysis Description: | 537.1 PFOA Compounds, UCMR              |
|                  |           | Laboratory:           | Pace Analytical Services - Ormond Beach |

Associated Lab Samples: 35985622001

METHOD BLANK: 6205776 Matrix: Water

Associated Lab Samples: 35985622001

| Parameter       | Units | Blank Result | Reporting Limit | MDL    | Analyzed       | Qualifiers |
|-----------------|-------|--------------|-----------------|--------|----------------|------------|
| NEtFOSAA        | ug/L  | 0.0017 U     | 0.0060          | 0.0017 | 09/26/25 17:35 |            |
| NMeFOSAA        | ug/L  | 0.0020 U     | 0.0060          | 0.0020 | 09/26/25 17:35 |            |
| PFTeDA          | ug/L  | 0.0027 U     | 0.0080          | 0.0027 | 09/26/25 17:35 |            |
| PFTrDA          | ug/L  | 0.0024 U     | 0.0070          | 0.0024 | 09/26/25 17:35 |            |
| 13C2-PFDA (S)   | %     | 115          | 70-130          |        | 09/26/25 17:35 |            |
| 13C2-PFHxA (S)  | %     | 102          | 70-130          |        | 09/26/25 17:35 |            |
| HFPO-DAS (S)    | %     | 100          | 70-130          |        | 09/26/25 17:35 |            |
| NEtFOSAA-d5 (S) | %     | 103          | 70-130          |        | 09/26/25 17:35 |            |

LABORATORY CONTROL SAMPLE: 6205777

| Parameter       | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------|-------|-------------|------------|-----------|--------------|------------|
| NEtFOSAA        | ug/L  | 0.005       | 0.0052 I   | 103       | 50-150       |            |
| NMeFOSAA        | ug/L  | 0.006       | 0.0062     | 103       | 50-150       |            |
| PFTeDA          | ug/L  | 0.008       | 0.0078 I   | 97        | 50-150       |            |
| PFTrDA          | ug/L  | 0.007       | 0.0072     | 103       | 50-150       |            |
| 13C2-PFDA (S)   | %     |             |            | 106       | 70-130       |            |
| 13C2-PFHxA (S)  | %     |             |            | 95        | 70-130       |            |
| HFPO-DAS (S)    | %     |             |            | 92        | 70-130       |            |
| NEtFOSAA-d5 (S) | %     |             |            | 101       | 70-130       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6205778 6205779

| Parameter       | Units | 35985620001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| NEtFOSAA        | ug/L  | 0.0015 U           | 0.0044         | 0.0047          | 0.0046 I  | 0.0048 I   | 102      | 102       | 70-130       |     | 30      |      |
| NMeFOSAA        | ug/L  | 0.0018 U           | 0.0053         | 0.0056          | 0.0056    | 0.0054 I   | 105      | 96        | 70-130       |     | 30      |      |
| PFTeDA          | ug/L  | 0.0023 U           | 0.0071         | 0.0075          | 0.0072    | 0.0077     | 102      | 103       | 70-130       | 7   | 30      |      |
| PFTrDA          | ug/L  | 0.0021 U           | 0.0062         | 0.0065          | 0.0062 I  | 0.0066     | 99       | 101       | 70-130       |     | 30      |      |
| 13C2-PFDA (S)   | %     |                    |                |                 |           |            | 109      | 109       | 70-130       |     |         |      |
| 13C2-PFHxA (S)  | %     |                    |                |                 |           |            | 99       | 98        | 70-130       |     |         |      |
| HFPO-DAS (S)    | %     |                    |                |                 |           |            | 100      | 96        | 70-130       |     |         |      |
| NEtFOSAA-d5 (S) | %     |                    |                |                 |           |            | 100      | 98        | 70-130       |     |         |      |

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

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



## QUALIFIERS

Project: UCMR5\_SE3\_Sep2025\_RS1  
Pace Project No.: 35985622

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above adjusted reporting limit.  
TNTC - Too Numerous To Count  
MDL - Adjusted Method Detection Limit.  
PQL - Practical Quantitation Limit.  
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.  
U Compound was analyzed for but not detected.

## REPORT OF LABORATORY ANALYSIS

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



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UCMR5\_SE3\_Sep2025\_RS1  
Pace Project No.: 35985622

| Lab ID      | Sample ID |                          | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|--------------------------|-----------------|----------|-------------------|------------------|
| 35985622001 | 07978     | Cullman Utilities Intert | EPA 533         | 1132100  | EPA 533           | 1132236          |
| 35985622001 | 07978     | Cullman Utilities Intert | EPA 537.1       | 1132092  | EPA 537.1         | 1132218          |

REPORT OF LABORATORY ANALYSIS

## CHAIN-OF-CUSTODY Analytical Request Document

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

|                                                                                                                                                                                                                                                                         |                                     |    |     |    |     |    |     |    |     |     |                                                      |                                                             |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----|-----|----|-----|----|-----|----|-----|-----|------------------------------------------------------|-------------------------------------------------------------|----------------|
| Company Name:                                                                                                                                                                                                                                                           | City of Cullman Water & Waste-UCMRS |    |     |    |     |    |     |    |     |     | Contact/Report To:                                   | Timmy Lynn                                                  |                |
| Street Address:                                                                                                                                                                                                                                                         | 1717 Eva Road<br>Cullman, AL 35055  |    |     |    |     |    |     |    |     |     | Phone #:                                             | 256-338-3251                                                |                |
|                                                                                                                                                                                                                                                                         |                                     |    |     |    |     |    |     |    |     |     | E-Mail:                                              | tlynn@cullmanal.gov                                         |                |
| Customer Project #:                                                                                                                                                                                                                                                     |                                     |    |     |    |     |    |     |    |     |     | Cc E-Mail:                                           |                                                             |                |
| Project Name:                                                                                                                                                                                                                                                           | UCMRS_SE3_Sep2025_RS1               |    |     |    |     |    |     |    |     |     | Invoice To:                                          | Timmy Lynn                                                  |                |
|                                                                                                                                                                                                                                                                         |                                     |    |     |    |     |    |     |    |     |     | Invoice E-Mail:                                      | tlynn@cullmanal.gov                                         |                |
| Site Collection Info/Facility ID (as applicable):                                                                                                                                                                                                                       |                                     |    |     |    |     |    |     |    |     |     | Purchase Order # (if applicable):                    |                                                             |                |
|                                                                                                                                                                                                                                                                         |                                     |    |     |    |     |    |     |    |     |     | Quote #:                                             |                                                             |                |
| Time Zone Collected:                                                                                                                                                                                                                                                    | [ ]                                 | AK | [ ] | PT | [ ] | MT | [ ] | CT | [X] | [ ] | ET                                                   | County / State origin of sample(s):                         | Alabama        |
| Data Deliverables:                                                                                                                                                                                                                                                      |                                     |    |     |    |     |    |     |    |     |     | Regulatory Program (DW, RCRA, etc.) as applicable:   | Reportable                                                  | [X] Yes [ ] No |
| [ ] Level II [ ] Level III [ ] Level IV                                                                                                                                                                                                                                 |                                     |    |     |    |     |    |     |    |     |     | Rush (Pre-approval required):                        |                                                             |                |
| [ ] EQUIS                                                                                                                                                                                                                                                               |                                     |    |     |    |     |    |     |    |     |     | [X] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other | DW Permit # or WV Permit # as applicable:<br><b>0001786</b> |                |
| [ ] Other                                                                                                                                                                                                                                                               |                                     |    |     |    |     |    |     |    |     |     | Date Results Requested:                              | Field Filtered (if applicable): [ ] Yes [ ] No              |                |
| Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SP), Sludge (SL), Effluent (EL), Other (OT) |                                     |    |     |    |     |    |     |    |     |     |                                                      |                                                             |                |

[illegible]

|                                     |                                 |                                  |
|-------------------------------------|---------------------------------|----------------------------------|
| Additional Instructions from Pace®: | Collected By:<br>(Printed Name) | Joshua Criddle                   |
|                                     | Signature:                      | <i>Joshua Criddle</i>            |
| Inquired by/Company: (Signature)    | Date/Time:                      | Received by/Company: (Signature) |
| <i>Blaine Miller</i>                | <i>9-23-25 12:12</i>            | <i>JH Pace</i>                   |
| Inquired by/Company: (Signature)    | Date/Time:                      | Received by/Company: (Signature) |
|                                     |                                 |                                  |
| Inquired by/Company: (Signature)    | Date/Time:                      | Received by/Company: (Signature) |
|                                     |                                 |                                  |

submitting a sample via this chain of custody constitutes acknowledgement and acceptance of the Pace® Terms and Conditions found at [www.pace.com](http://www.pace.com).

LAB USE ONLY - Affix Worknet/arl on 1 -

W0#: 35985622



35985622

[illegible][illegible]

|                                                                                             |                 |                         |                                                                                            |                      |         |
|---------------------------------------------------------------------------------------------|-----------------|-------------------------|--------------------------------------------------------------------------------------------|----------------------|---------|
| Customer Remarks / Special Conditions / Possible Hazard:<br><b>No Safety Seals included</b> | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C)                                                                            | Corrected Temp. (°C) | On Ice: |
| # Coolers:                                                                                  |                 |                         |                                                                                            | 5.3                  |         |
| Date/Time: 9/24/25 1:50                                                                     |                 |                         | Tracking Number:                                                                           |                      |         |
| Date/Time:                                                                                  |                 |                         | Delivered by: <input type="checkbox"/> In-Person <input type="checkbox"/> Courier          |                      |         |
| Date/Time:                                                                                  |                 |                         | <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Other |                      |         |
| Date/Time:                                                                                  |                 |                         | Page: 1 of 1                                                                               |                      |         |

WO#: 35985622

PM: RJS Due Date: 10/29/25  
CLIENT: CULLMANWW

Project #

Project Manager:

Client:

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace

Tracking # 4736 1118 7211

☐ Other:

Custody Seal: ☐ Yes ☒ No

Seal intact: ☐ Yes ☐ No

Ice: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap

☐ Bubble Bags

☒ None

☐ Other

|                                                           |                                                                     | Comments                                                 |
|-----------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------|
| Chain of Custody Present                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | NO date & time on all samples received.                  |
| Chain of Custody Completed                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                          |
| Relinquished & Sampler Signature                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                          |
| Samples Arrived within Hold Time                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                          |
| Sufficient Volume                                         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                          |
| Correct Containers Used                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                          |
| Containers Intact                                         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                          |
| Sample Labels match COC                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                          |
| Samples received ≤48 hr from collection?                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                          |
| If no, were samples kept ≤6°C after 48 hrs of collection? |                                                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Person contacted for verification                         |                                                                     |                                                          |

Temperature Verification

Initials: SB4

Date: 9/24/25

Time: 1255

IR Gun ID: 1-440

CF (°C): 10.1

|           | Observed (°C) | Corrected (°C) | Comments |
|-----------|---------------|----------------|----------|
| EPA 533   | 6.2           | 6.3            |          |
| EPA 537.1 | 6.1           | 6.2            |          |

Preservation Verification

pH strip: HCU41704

pH meter: SR-3

Free Cl Strip/DPD: 250403

Cl Meter: SR-1

200.7 Lab Preserved: Nitric Acid:

Date/Time:

Initials:

| Sample/Container ID  | pH                   |                       |                  |                        | Free Chlorine** |       | Comments          |
|----------------------|----------------------|-----------------------|------------------|------------------------|-----------------|-------|-------------------|
|                      | 533*<br>(pH 6.0-8.0) | 537.1<br>(pH 6.0-8.0) | 200.7<br>(pH <2) | 200.7 Lab<br>Preserved | 533             | 537.1 |                   |
| 07978 Cullman... 1/4 | 6.3                  | 7.2                   | —                |                        | 0.10            | ND    | 533 has chlorine. |
| 21 2/4               | 6.3                  | 7.3                   |                  |                        | ND              | ND    |                   |
| 11 3/4               | 6.3                  | 7.3                   |                  |                        | ND              | ND    |                   |
| 11 4/4               | 6.3                  | 7.3                   |                  |                        | ND              | ND    |                   |
| F/07978 Cullman...   | 6.4                  | 7.3                   |                  |                        | ND              | ND    |                   |
|                      |                      |                       |                  |                        |                 |       |                   |
|                      |                      |                       |                  |                        |                 |       |                   |
|                      |                      |                       |                  |                        |                 |       |                   |
|                      |                      |                       |                  |                        |                 |       |                   |

\*533 pH may be adjusted at the bench prior to extraction.

\*\* ND = <0.1 mg/L

Labeled by: SB4

Reviewed by: ADJ

Delivered by: