

## ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento  
880 Riverside Parkway  
West Sacramento, CA 95605  
Tel: (916)373-5600

Laboratory Job ID: 320-76454-1  
Client Project/Site: PFAS Testing

For:  
City of Eau Claire  
1000 Ferry Street  
Eau Claire, Wisconsin 54703

Attn: Ty Fadness



Authorized for release by:  
7/26/2021 9:46:40 AM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandra.fredrick@eurofinset.com](mailto:sandra.fredrick@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



# Table of Contents

|                                    |    |
|------------------------------------|----|
| Cover Page . . . . .               | 1  |
| Table of Contents . . . . .        | 2  |
| Definitions/Glossary . . . . .     | 3  |
| Case Narrative . . . . .           | 4  |
| Detection Summary . . . . .        | 5  |
| Client Sample Results . . . . .    | 6  |
| Isotope Dilution Summary . . . . . | 10 |
| QC Sample Results . . . . .        | 12 |
| QC Association Summary . . . . .   | 17 |
| Lab Chronicle . . . . .            | 18 |
| Certification Summary . . . . .    | 19 |
| Method Summary . . . . .           | 20 |
| Sample Summary . . . . .           | 21 |
| Chain of Custody . . . . .         | 22 |
| Receipt Checklists . . . . .       | 23 |

# Definitions/Glossary

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Qualifiers

### LCMS

| Qualifier | Qualifier Description  |
|-----------|--|
| J         | Reported value was between the limit of detection and the limit of quantitation. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|---|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CFU            | Colony Forming Unit   |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| MPN            | Most Probable Number  |
| MQL            | Method Quantitation Limit   |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| NEG            | Negative / Absent   |
| POS            | Positive / Present  |
| PQL            | Practical Quantitation Limit  |
| PRES           | Presumptive   |
| QC             | Quality Control   |
| RER            | Relative Error Ratio (Radiochemistry)   |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)   |
| TNTC           | Too Numerous To Count   |

# Case Narrative

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

**Job ID: 320-76454-1**

**Laboratory: Eurofins TestAmerica, Sacramento**

## Narrative

### Job Narrative 320-76454-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 7/20/2021 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.5° C.

#### LCMS

Method 537 (modified): The initial calibration blank (ICB) associated with initial calibration in analytical batch 320-506184 has a concentration of 0.0338 ng/mL for Perfluorooctadecanoic acid (PFODa), which is greater than 1/2 the reporting limit. The continuing calibration blanks and the associated sample are non-detect for this analyte. Data quality is not impacted by this anomaly. (ICB 320-506184/9)

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. (CCB 320-509427/15)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with: preparation batch 320-508842. Method Code: 3535\_PFC\_28D Matrix: Aqueous

Method 3535: The following samples were preserved with trizma: Well 17 (320-76454-1) and Well 17 FB (320-76454-2). Thus, the MB, LCS and LCSD also contain trizma. Method Code: 3535\_PFC\_28D Matrix: Aqueous preparation batch 320-508842

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Detection Summary

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Client Sample ID: Well 17

Lab Sample ID: 320-76454-1

| Analyte                               | Result | Qualifier | LOQ | LOD  | Unit | Dil Fac | D | Method         | Prep Type |
|---------------------------------------|--------|-----------|-----|------|------|---------|---|----------------|-----------|
| Perfluorobutanoic acid (PFBA)         | 3.5    | J         | 4.5 | 2.2  | ng/L | 1       |   | 537 (modified) | Total/NA  |
| Perfluoropentanoic acid (PFPeA)       | 0.64   | J         | 1.8 | 0.45 | ng/L | 1       |   | 537 (modified) | Total/NA  |
| Perfluorohexanoic acid (PFHxA)        | 1.6    | J         | 1.8 | 0.53 | ng/L | 1       |   | 537 (modified) | Total/NA  |
| Perfluorooctanoic acid (PFOA)         | 1.9    |           | 1.8 | 0.77 | ng/L | 1       |   | 537 (modified) | Total/NA  |
| Perfluorobutanesulfonic acid (PFBS)   | 3.2    |           | 1.8 | 0.18 | ng/L | 1       |   | 537 (modified) | Total/NA  |
| Perfluoropentanesulfonic acid (PFPeS) | 2.4    |           | 1.8 | 0.27 | ng/L | 1       |   | 537 (modified) | Total/NA  |
| Perfluorohexanesulfonic acid (PFHxS)  | 21     |           | 1.8 | 0.52 | ng/L | 1       |   | 537 (modified) | Total/NA  |
| Perfluoroheptanesulfonic Acid (PFHpS) | 0.27   | J         | 1.8 | 0.17 | ng/L | 1       |   | 537 (modified) | Total/NA  |
| Perfluorooctanesulfonic acid (PFOS)   | 7.8    |           | 1.8 | 0.49 | ng/L | 1       |   | 537 (modified) | Total/NA  |

## Client Sample ID: Well 17 FB

Lab Sample ID: 320-76454-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

# Client Sample Results

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

**Client Sample ID: Well 17**

**Lab Sample ID: 320-76454-1**

**Date Collected: 07/19/21 11:53**

**Matrix: Water**

**Date Received: 07/20/21 09:50**

**Method: 537 (modified) - Fluorinated Alkyl Substances**

| Analyte                                     | Result           | Qualifier        | LOQ           | LOD  | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|---|------------------|------------------|---------------|------|------|---|-----------------|-----------------|----------------|
| Perfluorobutanoic acid (PFBA)               | 3.5              | J                | 4.5           | 2.2  | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluoropentanoic acid (PFPeA)             | 0.64             | J                | 1.8           | 0.45 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorohexanoic acid (PFHxA)              | 1.6              | J                | 1.8           | 0.53 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluoroheptanoic acid (PFHpA)             | <0.23            |                  | 1.8           | 0.23 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorooctanoic acid (PFOA)               | 1.9              |                  | 1.8           | 0.77 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorononanoic acid (PFNA)               | <0.25            |                  | 1.8           | 0.25 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorodecanoic acid (PFDA)               | <0.28            |                  | 1.8           | 0.28 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluoroundecanoic acid (PFUnA)            | <1.0             |                  | 1.8           | 1.0  | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorododecanoic acid (PFDoA)            | <0.50            |                  | 1.8           | 0.50 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorotridecanoic acid (PFTrDA)          | <1.2             |                  | 1.8           | 1.2  | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorotetradecanoic acid (PFTeA)         | <0.66            |                  | 1.8           | 0.66 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluoro-n-hexadecanoic acid (PFHxDA)      | <0.81            |                  | 1.8           | 0.81 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluoro-n-octadecanoic acid (PFODA)       | <0.85            |                  | 1.8           | 0.85 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorobutanesulfonic acid (PFBS)         | 3.2              |                  | 1.8           | 0.18 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluoropentanesulfonic acid (PFPeS)       | 2.4              |                  | 1.8           | 0.27 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorohexanesulfonic acid (PFHxS)        | 21               |                  | 1.8           | 0.52 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluoroheptanesulfonic Acid (PFHpS)       | 0.27             | J                | 1.8           | 0.17 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorooctanesulfonic acid (PFOS)         | 7.8              |                  | 1.8           | 0.49 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorononanesulfonic acid (PFNS)         | <0.34            |                  | 1.8           | 0.34 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorodecanesulfonic acid (PFDS)         | <0.29            |                  | 1.8           | 0.29 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorododecanesulfonic acid (PFDoS)      | <0.88            |                  | 1.8           | 0.88 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| Perfluorooctanesulfonamide (FOSA)           | <0.89            |                  | 1.8           | 0.89 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| NEtFOSA                                     | <0.79            |                  | 1.8           | 0.79 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| NMeFOSA                                     | <0.39            |                  | 1.8           | 0.39 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| NMeFOSAA                                    | <1.1             |                  | 4.5           | 1.1  | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| NEtFOSAA                                    | <1.2             |                  | 4.5           | 1.2  | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| NMeFOSE                                     | <1.3             |                  | 3.6           | 1.3  | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| NEtFOSE                                     | <0.77            |                  | 1.8           | 0.77 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 4:2 FTS                                     | <0.22            |                  | 1.8           | 0.22 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 6:2 FTS                                     | <2.3             |                  | 4.5           | 2.3  | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 8:2 FTS                                     | <0.42            |                  | 1.8           | 0.42 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 10:2 FTS                                    | <0.61            |                  | 1.8           | 0.61 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | <0.36            |                  | 1.8           | 0.36 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| HFPO-DA (GenX)                              | <1.4             |                  | 3.6           | 1.4  | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 9Cl-PF3ONS                                  | <0.22            |                  | 1.8           | 0.22 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 11Cl-PF3OUdS                                | <0.29            |                  | 1.8           | 0.29 | ng/L |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| <b>Isotope Dilution</b>                     | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |      |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 13C4 PFBA                                   | 93               |                  | 25 - 150      |      |      |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C5 PFPeA                                  | 79               |                  | 25 - 150      |      |      |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C2 PFHxA                                  | 101              |                  | 25 - 150      |      |      |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C4 PFHpA                                  | 93               |                  | 25 - 150      |      |      |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C4 PFOA                                   | 99               |                  | 25 - 150      |      |      |   | 07/21/21 12:02  | 07/23/21 02:56  | 1              |

Eurofins TestAmerica, Sacramento

# Client Sample Results

Client: City of Eau Claire  
 Project/Site: PFAS Testing

Job ID: 320-76454-1

**Client Sample ID: Well 17**  
**Date Collected: 07/19/21 11:53**  
**Date Received: 07/20/21 09:50**

**Lab Sample ID: 320-76454-1**  
**Matrix: Water**

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

| <u>Isotope Dilution</u> | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Dil Fac</u> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 13C5 PFNA               | 96               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C2 PFDA               | 114              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C2 PFUnA              | 106              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C2 PFDoA              | 113              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C2 PFTeDA             | 103              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C2 PFHxDA             | 126              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C3 PFBS               | 109              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 18O2 PFHxS              | 93               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C4 PFOS               | 117              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C8 FOSA               | 111              |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| d3-NMeFOSAA             | 116              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| d5-NEtFOSAA             | 118              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| d-N-MeFOSA-M            | 89               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| d-N-EtFOSA-M            | 84               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| d7-N-MeFOSE-M           | 91               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| d9-N-EtFOSE-M           | 86               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| M2-4:2 FTS              | 77               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| M2-6:2 FTS              | 99               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| M2-8:2 FTS              | 120              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C3 HFPO-DA            | 91               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |
| 13C2 10:2 FTS           | 126              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 02:56  | 1              |

# Client Sample Results

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

**Client Sample ID: Well 17 FB**

**Lab Sample ID: 320-76454-2**

**Date Collected: 07/19/21 11:54**

**Matrix: Water**

**Date Received: 07/20/21 09:50**

**Method: 537 (modified) - Fluorinated Alkyl Substances**

| Analyte                                     | Result    | Qualifier | LOQ      | LOD  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| Perfluorobutanoic acid (PFBA)               | <2.1      |           | 4.5      | 2.1  | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluoropentanoic acid (PFPeA)             | <0.44     |           | 1.8      | 0.44 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorohexanoic acid (PFHxA)              | <0.52     |           | 1.8      | 0.52 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluoroheptanoic acid (PFHpA)             | <0.22     |           | 1.8      | 0.22 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorooctanoic acid (PFOA)               | <0.76     |           | 1.8      | 0.76 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorononanoic acid (PFNA)               | <0.24     |           | 1.8      | 0.24 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorodecanoic acid (PFDA)               | <0.28     |           | 1.8      | 0.28 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluoroundecanoic acid (PFUnA)            | <0.98     |           | 1.8      | 0.98 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorododecanoic acid (PFDoA)            | <0.49     |           | 1.8      | 0.49 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorotridecanoic acid (PFTTrDA)         | <1.2      |           | 1.8      | 1.2  | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorotetradecanoic acid (PFTeA)         | <0.65     |           | 1.8      | 0.65 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluoro-n-hexadecanoic acid (PFHxDA)      | <0.80     |           | 1.8      | 0.80 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluoro-n-octadecanoic acid (PFODA)       | <0.84     |           | 1.8      | 0.84 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorobutanesulfonic acid (PFBS)         | <0.18     |           | 1.8      | 0.18 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluoropentanesulfonic acid (PFPeS)       | <0.27     |           | 1.8      | 0.27 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorohexanesulfonic acid (PFHxS)        | <0.51     |           | 1.8      | 0.51 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluoroheptanesulfonic Acid (PFHpS)       | <0.17     |           | 1.8      | 0.17 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorooctanesulfonic acid (PFOS)         | <0.48     |           | 1.8      | 0.48 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorononanesulfonic acid (PFNS)         | <0.33     |           | 1.8      | 0.33 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorodecanesulfonic acid (PFDS)         | <0.29     |           | 1.8      | 0.29 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorododecanesulfonic acid (PFDoS)      | <0.87     |           | 1.8      | 0.87 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Perfluorooctanesulfonamide (FOSA)           | <0.88     |           | 1.8      | 0.88 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| NEtFOSA                                     | <0.78     |           | 1.8      | 0.78 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| NMeFOSA                                     | <0.38     |           | 1.8      | 0.38 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| NMeFOSAA                                    | <1.1      |           | 4.5      | 1.1  | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| NEtFOSAA                                    | <1.2      |           | 4.5      | 1.2  | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| NMeFOSE                                     | <1.3      |           | 3.6      | 1.3  | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| NEtFOSE                                     | <0.76     |           | 1.8      | 0.76 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 4:2 FTS                                     | <0.21     |           | 1.8      | 0.21 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 6:2 FTS                                     | <2.2      |           | 4.5      | 2.2  | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 8:2 FTS                                     | <0.41     |           | 1.8      | 0.41 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 10:2 FTS                                    | <0.60     |           | 1.8      | 0.60 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | <0.36     |           | 1.8      | 0.36 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| HFPO-DA (GenX)                              | <1.3      |           | 3.6      | 1.3  | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 9Cl-PF3ONS                                  | <0.21     |           | 1.8      | 0.21 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 11Cl-PF3OUdS                                | <0.29     |           | 1.8      | 0.29 | ng/L |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| Isotope Dilution                            | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 13C4 PFBA                                   | 93        |           | 25 - 150 |      |      |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 13C5 PFPeA                                  | 92        |           | 25 - 150 |      |      |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 13C2 PFHxA                                  | 100       |           | 25 - 150 |      |      |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 13C4 PFHpA                                  | 91        |           | 25 - 150 |      |      |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 13C4 PFOA                                   | 95        |           | 25 - 150 |      |      |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 13C5 PFNA                                   | 92        |           | 25 - 150 |      |      |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 13C2 PFDA                                   | 99        |           | 25 - 150 |      |      |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |
| 13C2 PFUnA                                  | 97        |           | 25 - 150 |      |      |   | 07/21/21 12:02 | 07/23/21 03:05 | 1       |

Eurofins TestAmerica, Sacramento



# Client Sample Results

Client: City of Eau Claire  
 Project/Site: PFAS Testing

Job ID: 320-76454-1

**Client Sample ID: Well 17 FB**

**Lab Sample ID: 320-76454-2**

**Date Collected: 07/19/21 11:54**

**Matrix: Water**

**Date Received: 07/20/21 09:50**

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 13C2 PFDoA              | 97               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| 13C2 PFTeDA             | 95               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| 13C2 PFHxDA             | 113              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| 13C3 PFBS               | 112              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| 18O2 PFHxS              | 98               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| 13C4 PFOS               | 111              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| 13C8 FOSA               | 97               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| d3-NMeFOSAA             | 100              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| d5-NEtFOSAA             | 99               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| d-N-MeFOSA-M            | 81               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| d-N-EtFOSA-M            | 80               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| d7-N-MeFOSE-M           | 78               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| d9-N-EtFOSE-M           | 79               |                  | 10 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| M2-4:2 FTS              | 79               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| M2-6:2 FTS              | 92               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| M2-8:2 FTS              | 107              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| 13C3 HFPO-DA            | 83               |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |
| 13C2 10:2 FTS           | 115              |                  | 25 - 150      | 07/21/21 12:02  | 07/23/21 03:05  | 1              |

# Isotope Dilution Summary

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | PFBA<br>(25-150) | PFPeA<br>(25-150) | PFHxA<br>(25-150) | C4PFHA<br>(25-150) | PFOA<br>(25-150) | PFNA<br>(25-150) | PFDA<br>(25-150) | PFUnA<br>(25-150) |
|---------------------|------------------------|------------------|-------------------|-------------------|--------------------|------------------|------------------|------------------|-------------------|
| 320-76454-1         | Well 17                | 93               | 79                | 101               | 93                 | 99               | 96               | 114              | 106               |
| 320-76454-2         | Well 17 FB             | 93               | 92                | 100               | 91                 | 95               | 92               | 99               | 97                |
| LCS 320-508842/2-A  | Lab Control Sample     | 100              | 97                | 112               | 101                | 100              | 99               | 105              | 100               |
| LCSD 320-508842/3-A | Lab Control Sample Dup | 98               | 95                | 103               | 97                 | 97               | 98               | 106              | 100               |
| MB 320-508842/1-A   | Method Blank           | 96               | 87                | 101               | 91                 | 97               | 100              | 108              | 101               |

### Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | PFDaA<br>(25-150) | PFTDA<br>(25-150) | PFHxDA<br>(25-150) | C3PFBS<br>(25-150) | PFHxS<br>(25-150) | PFOS<br>(25-150) | PFOSA<br>(10-150) | d3NMFOS<br>(25-150) |
|---------------------|------------------------|-------------------|-------------------|--------------------|--------------------|-------------------|------------------|-------------------|---------------------|
| 320-76454-1         | Well 17                | 113               | 103               | 126                | 109                | 93                | 117              | 111               | 116                 |
| 320-76454-2         | Well 17 FB             | 97                | 95                | 113                | 112                | 98                | 111              | 97                | 100                 |
| LCS 320-508842/2-A  | Lab Control Sample     | 106               | 97                | 104                | 118                | 105               | 114              | 111               | 105                 |
| LCSD 320-508842/3-A | Lab Control Sample Dup | 101               | 96                | 106                | 112                | 99                | 110              | 106               | 96                  |
| MB 320-508842/1-A   | Method Blank           | 108               | 96                | 114                | 112                | 90                | 119              | 108               | 99                  |

### Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | d5NEFOS<br>(25-150) | dMeFOSA<br>(10-150) | dEtFOSA<br>(10-150) | NMFM<br>(10-150) | NEFM<br>(10-150) | M242FTS<br>(25-150) | M262FTS<br>(25-150) | M282FTS<br>(25-150) |
|---------------------|------------------------|---------------------|---------------------|---------------------|------------------|------------------|---------------------|---------------------|---------------------|
| 320-76454-1         | Well 17                | 118                 | 89                  | 84                  | 91               | 86               | 77                  | 99                  | 120                 |
| 320-76454-2         | Well 17 FB             | 99                  | 81                  | 80                  | 78               | 79               | 79                  | 92                  | 107                 |
| LCS 320-508842/2-A  | Lab Control Sample     | 103                 | 94                  | 95                  | 90               | 84               | 77                  | 101                 | 106                 |
| LCSD 320-508842/3-A | Lab Control Sample Dup | 109                 | 88                  | 87                  | 87               | 82               | 75                  | 85                  | 110                 |
| MB 320-508842/1-A   | Method Blank           | 111                 | 91                  | 80                  | 87               | 85               | 84                  | 92                  | 110                 |

### Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | HFPODA<br>(25-150) | M102FTS<br>(25-150) |
|---------------------|------------------------|--------------------|---------------------|
| 320-76454-1         | Well 17                | 91                 | 126                 |
| 320-76454-2         | Well 17 FB             | 83                 | 115                 |
| LCS 320-508842/2-A  | Lab Control Sample     | 91                 | 128                 |
| LCSD 320-508842/3-A | Lab Control Sample Dup | 88                 | 122                 |
| MB 320-508842/1-A   | Method Blank           | 97                 | 124                 |

#### Surrogate Legend

PFBA = 13C4 PFBA  
PFPeA = 13C5 PFPeA  
PFHxA = 13C2 PFHxA  
C4PFHA = 13C4 PFHpA  
PFOA = 13C4 PFOA  
PFNA = 13C5 PFNA  
PFDA = 13C2 PFDA  
PFUnA = 13C2 PFUnA  
PFDaA = 13C2 PFDaA  
PFTDA = 13C2 PFTeDA  
PFHxDA = 13C2 PFHxDA  
C3PFBS = 13C3 PFBS  
PFHxS = 18O2 PFHxS  
PFOS = 13C4 PFOS  
PFOSA = 13C8 FOSA  
d3NMFOS = d3-NMeFOSAA  
d5NEFOS = d5-NEtFOSAA  
dMeFOSA = d-N-MeFOSA-M

# Isotope Dilution Summary

Job ID: 320-76454-1

Client: City of Eau Claire  
Project/Site: PFAS Testing

dEtFOSA = d-N-EtFOSA-M  
NMFm = d7-N-MeFOSE-M  
NEFM = d9-N-EtFOSE-M  
M242FTS = M2-4:2 FTS  
M262FTS = M2-6:2 FTS  
M282FTS = M2-8:2 FTS  
HFPODA = 13C3 HFPO-DA  
M102FTS = 13C2 10:2 FTS

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# QC Sample Results

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

**Lab Sample ID: MB 320-508842/1-A**  
**Matrix: Water**  
**Analysis Batch: 509427**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 508842**

| Analyte                                     | MB        | MB        | LOQ      | LOD            | Unit           | D       | Prepared       | Analyzed       | Dil Fac |
|---|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
|   | Result    | Qualifier |          |                |                |         |                |                |         |
| Perfluorobutanoic acid (PFBA)               | <2.4      |           | 5.0      | 2.4            | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluoropentanoic acid (PFPeA)             | <0.49     |           | 2.0      | 0.49           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorohexanoic acid (PFHxA)              | <0.58     |           | 2.0      | 0.58           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluoroheptanoic acid (PFHpA)             | <0.25     |           | 2.0      | 0.25           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorooctanoic acid (PFOA)               | <0.85     |           | 2.0      | 0.85           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorononanoic acid (PFNA)               | <0.27     |           | 2.0      | 0.27           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorodecanoic acid (PFDA)               | <0.31     |           | 2.0      | 0.31           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluoroundecanoic acid (PFUnA)            | <1.1      |           | 2.0      | 1.1            | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorododecanoic acid (PFDoA)            | <0.55     |           | 2.0      | 0.55           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorotridecanoic acid (PFTrDA)          | <1.3      |           | 2.0      | 1.3            | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorotetradecanoic acid (PFTeA)         | <0.73     |           | 2.0      | 0.73           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluoro-n-hexadecanoic acid (PFHxDA)      | <0.89     |           | 2.0      | 0.89           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluoro-n-octadecanoic acid (PFODA)       | <0.94     |           | 2.0      | 0.94           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorobutanesulfonic acid (PFBS)         | <0.20     |           | 2.0      | 0.20           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluoropentanesulfonic acid (PFPeS)       | <0.30     |           | 2.0      | 0.30           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorohexanesulfonic acid (PFHxS)        | <0.57     |           | 2.0      | 0.57           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluoroheptanesulfonic Acid (PFHpS)       | <0.19     |           | 2.0      | 0.19           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorooctanesulfonic acid (PFOS)         | <0.54     |           | 2.0      | 0.54           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorononanesulfonic acid (PFNS)         | <0.37     |           | 2.0      | 0.37           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorodecanesulfonic acid (PFDS)         | <0.32     |           | 2.0      | 0.32           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorododecanesulfonic acid (PFDoS)      | <0.97     |           | 2.0      | 0.97           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Perfluorooctanesulfonamide (FOSA)           | <0.98     |           | 2.0      | 0.98           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| NEtFOSA                                     | <0.87     |           | 2.0      | 0.87           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| NMeFOSA                                     | <0.43     |           | 2.0      | 0.43           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| NMeFOSAA                                    | <1.2      |           | 5.0      | 1.2            | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| NEtFOSAA                                    | <1.3      |           | 5.0      | 1.3            | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| NMeFOSE                                     | <1.4      |           | 4.0      | 1.4            | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| NEtFOSE                                     | <0.85     |           | 2.0      | 0.85           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 4:2 FTS                                     | <0.24     |           | 2.0      | 0.24           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 6:2 FTS                                     | <2.5      |           | 5.0      | 2.5            | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 8:2 FTS                                     | <0.46     |           | 2.0      | 0.46           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 10:2 FTS                                    | <0.67     |           | 2.0      | 0.67           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | <0.40     |           | 2.0      | 0.40           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| HFPO-DA (GenX)                              | <1.5      |           | 4.0      | 1.5            | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 9Cl-PF3ONS                                  | <0.24     |           | 2.0      | 0.24           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 11Cl-PF3OUdS                                | <0.32     |           | 2.0      | 0.32           | ng/L           |         | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| Isotope Dilution                            | MB        | MB        | Limits   | Prepared       | Analyzed       | Dil Fac |                |                |         |
|   | %Recovery | Qualifier |          |                |                |         |                |                |         |
| 13C4 PFBA                                   | 96        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |                |                |         |
| 13C5 PFPeA                                  | 87        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |                |                |         |
| 13C2 PFHxA                                  | 101       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |                |                |         |
| 13C4 PFHpA                                  | 91        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |                |                |         |
| 13C4 PFOA                                   | 97        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |                |                |         |
| 13C5 PFNA                                   | 100       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |                |                |         |

Eurofins TestAmerica, Sacramento

# QC Sample Results

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: MB 320-508842/1-A**  
**Matrix: Water**  
**Analysis Batch: 509427**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 508842**

| Isotope Dilution | MB MB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
|                  | %Recovery | Qualifier |          |                |                |         |
| 13C2 PFDA        | 108       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C2 PFUnA       | 101       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C2 PFDoA       | 108       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C2 PFTeDA      | 96        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C2 PFHxDA      | 114       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C3 PFBS        | 112       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 18O2 PFHxS       | 90        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C4 PFOS        | 119       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C8 FOSA        | 108       |           | 10 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| d3-NMeFOSAA      | 99        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| d5-NEtFOSAA      | 111       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| d-N-MeFOSA-M     | 91        |           | 10 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| d-N-EtFOSA-M     | 80        |           | 10 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| d7-N-MeFOSE-M    | 87        |           | 10 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| d9-N-EtFOSE-M    | 85        |           | 10 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| M2-4:2 FTS       | 84        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| M2-6:2 FTS       | 92        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| M2-8:2 FTS       | 110       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C3 HFPO-DA     | 97        |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |
| 13C2 10:2 FTS    | 124       |           | 25 - 150 | 07/21/21 12:02 | 07/23/21 02:27 | 1       |

**Lab Sample ID: LCS 320-508842/2-A**  
**Matrix: Water**  
**Analysis Batch: 509427**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 508842**

| Analyte                                | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--|-------------|------------|---------------|------|---|------|--------------|
|  |             |            |               |      |   |      |              |
| Perfluoropentanoic acid (PFPeA)        | 40.0        | 35.0       |               | ng/L |   | 87   | 60 - 135     |
| Perfluorohexanoic acid (PFHxA)         | 40.0        | 32.6       |               | ng/L |   | 81   | 60 - 135     |
| Perfluoroheptanoic acid (PFHpA)        | 40.0        | 34.9       |               | ng/L |   | 87   | 60 - 135     |
| Perfluorooctanoic acid (PFOA)          | 40.0        | 34.7       |               | ng/L |   | 87   | 60 - 135     |
| Perfluorononanoic acid (PFNA)          | 40.0        | 36.9       |               | ng/L |   | 92   | 60 - 135     |
| Perfluorodecanoic acid (PFDA)          | 40.0        | 34.6       |               | ng/L |   | 86   | 60 - 135     |
| Perfluoroundecanoic acid (PFUnA)       | 40.0        | 40.4       |               | ng/L |   | 101  | 60 - 135     |
| Perfluorododecanoic acid (PFDoA)       | 40.0        | 37.7       |               | ng/L |   | 94   | 60 - 135     |
| Perfluorotridecanoic acid (PFTTrDA)    | 40.0        | 35.8       |               | ng/L |   | 89   | 60 - 135     |
| Perfluorotetradecanoic acid (PFTeA)    | 40.0        | 36.9       |               | ng/L |   | 92   | 60 - 135     |
| Perfluoro-n-hexadecanoic acid (PFHxDA) | 40.0        | 38.2       |               | ng/L |   | 95   | 60 - 135     |
| Perfluoro-n-octadecanoic acid (PFODA)  | 40.0        | 32.4       |               | ng/L |   | 81   | 60 - 135     |
| Perfluorobutanesulfonic acid (PFBS)    | 35.4        | 28.4       |               | ng/L |   | 80   | 60 - 135     |
| Perfluoropentanesulfonic acid (PFPeS)  | 37.5        | 28.5       |               | ng/L |   | 76   | 60 - 135     |
| Perfluorohexanesulfonic acid (PFHxS)   | 36.4        | 32.0       |               | ng/L |   | 88   | 60 - 135     |

Eurofins TestAmerica, Sacramento

# QC Sample Results

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCS 320-508842/2-A**  
**Matrix: Water**  
**Analysis Batch: 509427**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 508842**

| Analyte                                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|-------------|------------|---------------|------|---|------|--------------|
| Perfluoroheptanesulfonic Acid (PFHpS)       | 38.1        | 34.2       |               | ng/L |   | 90   | 60 - 135     |
| Perfluorooctanesulfonic acid (PFOS)         | 37.1        | 33.2       |               | ng/L |   | 90   | 60 - 135     |
| Perfluorononanesulfonic acid (PFNS)         | 38.4        | 37.4       |               | ng/L |   | 97   | 60 - 135     |
| Perfluorodecanesulfonic acid (PFDS)         | 38.6        | 31.3       |               | ng/L |   | 81   | 60 - 135     |
| Perfluorododecanesulfonic acid (PFDoS)      | 38.7        | 35.0       |               | ng/L |   | 90   | 60 - 135     |
| Perfluorooctanesulfonamide (FOSA)           | 40.0        | 37.0       |               | ng/L |   | 93   | 60 - 135     |
| NEtFOSA                                     | 40.0        | 36.0       |               | ng/L |   | 90   | 60 - 135     |
| NMeFOSA                                     | 40.0        | 36.9       |               | ng/L |   | 92   | 60 - 135     |
| NMeFOSAA                                    | 40.0        | 38.8       |               | ng/L |   | 97   | 60 - 135     |
| NEtFOSAA                                    | 40.0        | 39.0       |               | ng/L |   | 98   | 60 - 135     |
| NMeFOSE                                     | 40.0        | 34.9       |               | ng/L |   | 87   | 60 - 135     |
| NEtFOSE                                     | 40.0        | 37.7       |               | ng/L |   | 94   | 60 - 135     |
| 4:2 FTS                                     | 37.4        | 38.6       |               | ng/L |   | 103  | 60 - 135     |
| 6:2 FTS                                     | 37.9        | 33.0       |               | ng/L |   | 87   | 60 - 135     |
| 8:2 FTS                                     | 38.3        | 43.2       |               | ng/L |   | 113  | 60 - 135     |
| 10:2 FTS                                    | 38.6        | 36.5       |               | ng/L |   | 95   | 60 - 135     |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 37.7        | 30.7       |               | ng/L |   | 81   | 60 - 135     |
| HFPO-DA (GenX)                              | 40.0        | 33.0       |               | ng/L |   | 83   | 60 - 135     |
| 9CI-PF3ONS                                  | 37.3        | 32.3       |               | ng/L |   | 87   | 60 - 135     |
| 11CI-PF3OUdS                                | 37.7        | 35.2       |               | ng/L |   | 94   | 60 - 135     |

| Isotope Dilution | LCS LCS   |           | Limits   |
|------------------|-----------|-----------|----------|
|                  | %Recovery | Qualifier |          |
| 13C4 PFBA        | 100       |           | 25 - 150 |
| 13C5 PFPeA       | 97        |           | 25 - 150 |
| 13C2 PFHxA       | 112       |           | 25 - 150 |
| 13C4 PFHpA       | 101       |           | 25 - 150 |
| 13C4 PFOA        | 100       |           | 25 - 150 |
| 13C5 PFNA        | 99        |           | 25 - 150 |
| 13C2 PFDA        | 105       |           | 25 - 150 |
| 13C2 PFUnA       | 100       |           | 25 - 150 |
| 13C2 PFDoA       | 106       |           | 25 - 150 |
| 13C2 PFTeDA      | 97        |           | 25 - 150 |
| 13C2 PFHxDA      | 104       |           | 25 - 150 |
| 13C3 PFBS        | 118       |           | 25 - 150 |
| 18O2 PFHxS       | 105       |           | 25 - 150 |
| 13C4 PFOS        | 114       |           | 25 - 150 |
| 13C8 FOSA        | 111       |           | 10 - 150 |
| d3-NMeFOSAA      | 105       |           | 25 - 150 |
| d5-NEtFOSAA      | 103       |           | 25 - 150 |
| d-N-MeFOSA-M     | 94        |           | 10 - 150 |
| d-N-EtFOSA-M     | 95        |           | 10 - 150 |
| d7-N-MeFOSE-M    | 90        |           | 10 - 150 |
| d9-N-EtFOSE-M    | 84        |           | 10 - 150 |

# QC Sample Results

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCS 320-508842/2-A**  
**Matrix: Water**  
**Analysis Batch: 509427**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 508842**

| Isotope Dilution | LCS LCS   |           | Limits   |
|------------------|-----------|-----------|----------|
|                  | %Recovery | Qualifier |          |
| M2-4:2 FTS       | 77        |           | 25 - 150 |
| M2-6:2 FTS       | 101       |           | 25 - 150 |
| M2-8:2 FTS       | 106       |           | 25 - 150 |
| 13C3 HFPO-DA     | 91        |           | 25 - 150 |
| 13C2 10:2 FTS    | 128       |           | 25 - 150 |

**Lab Sample ID: LCSD 320-508842/3-A**  
**Matrix: Water**  
**Analysis Batch: 509427**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 508842**

| Analyte                                | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
|  |             |             |                |      |   |      |              |     |           |
| Perfluorobutanoic acid (PFBA)          | 40.0        | 35.2        |                | ng/L |   | 88   | 60 - 135     | 5   | 30        |
| Perfluoropentanoic acid (PFPeA)        | 40.0        | 35.6        |                | ng/L |   | 89   | 60 - 135     | 2   | 30        |
| Perfluorohexanoic acid (PFHxA)         | 40.0        | 36.8        |                | ng/L |   | 92   | 60 - 135     | 12  | 30        |
| Perfluoroheptanoic acid (PFHpA)        | 40.0        | 35.6        |                | ng/L |   | 89   | 60 - 135     | 2   | 30        |
| Perfluorooctanoic acid (PFOA)          | 40.0        | 36.5        |                | ng/L |   | 91   | 60 - 135     | 5   | 30        |
| Perfluorononanoic acid (PFNA)          | 40.0        | 37.8        |                | ng/L |   | 95   | 60 - 135     | 3   | 30        |
| Perfluorodecanoic acid (PFDA)          | 40.0        | 36.7        |                | ng/L |   | 92   | 60 - 135     | 6   | 30        |
| Perfluoroundecanoic acid (PFUnA)       | 40.0        | 40.3        |                | ng/L |   | 101  | 60 - 135     | 0   | 30        |
| Perfluorododecanoic acid (PFDoA)       | 40.0        | 37.7        |                | ng/L |   | 94   | 60 - 135     | 0   | 30        |
| Perfluorotridecanoic acid (PFTrDA)     | 40.0        | 37.9        |                | ng/L |   | 95   | 60 - 135     | 6   | 30        |
| Perfluorotetradecanoic acid (PFTeA)    | 40.0        | 35.6        |                | ng/L |   | 89   | 60 - 135     | 3   | 30        |
| Perfluoro-n-hexadecanoic acid (PFHxDA) | 40.0        | 36.4        |                | ng/L |   | 91   | 60 - 135     | 5   | 30        |
| Perfluoro-n-octadecanoic acid (PFODA)  | 40.0        | 27.4        |                | ng/L |   | 69   | 60 - 135     | 17  | 30        |
| Perfluorobutanesulfonic acid (PFBS)    | 35.4        | 30.0        |                | ng/L |   | 85   | 60 - 135     | 5   | 30        |
| Perfluoropentanesulfonic acid (PFPeS)  | 37.5        | 29.6        |                | ng/L |   | 79   | 60 - 135     | 4   | 30        |
| Perfluorohexanesulfonic acid (PFHxS)   | 36.4        | 32.5        |                | ng/L |   | 89   | 60 - 135     | 2   | 30        |
| Perfluoroheptanesulfonic Acid (PFHpS)  | 38.1        | 31.3        |                | ng/L |   | 82   | 60 - 135     | 9   | 30        |
| Perfluorooctanesulfonic acid (PFOS)    | 37.1        | 32.8        |                | ng/L |   | 88   | 60 - 135     | 1   | 30        |
| Perfluorononanesulfonic acid (PFNS)    | 38.4        | 36.7        |                | ng/L |   | 96   | 60 - 135     | 2   | 30        |
| Perfluorodecanesulfonic acid (PFDS)    | 38.6        | 34.4        |                | ng/L |   | 89   | 60 - 135     | 9   | 30        |
| Perfluorododecanesulfonic acid (PFDoS) | 38.7        | 34.3        |                | ng/L |   | 89   | 60 - 135     | 2   | 30        |
| Perfluorooctanesulfonamide (FOSA)      | 40.0        | 34.8        |                | ng/L |   | 87   | 60 - 135     | 6   | 30        |
| NEtFOSA                                | 40.0        | 37.8        |                | ng/L |   | 95   | 60 - 135     | 5   | 30        |
| NMeFOSA                                | 40.0        | 37.8        |                | ng/L |   | 95   | 60 - 135     | 3   | 30        |
| NMeFOSAA                               | 40.0        | 39.0        |                | ng/L |   | 97   | 60 - 135     | 0   | 30        |
| NEtFOSAA                               | 40.0        | 35.8        |                | ng/L |   | 89   | 60 - 135     | 9   | 30        |
| NMeFOSE                                | 40.0        | 35.2        |                | ng/L |   | 88   | 60 - 135     | 1   | 30        |

Eurofins TestAmerica, Sacramento

# QC Sample Results

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCSD 320-508842/3-A**  
**Matrix: Water**  
**Analysis Batch: 509427**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 508842**

| Analyte                                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| NEtFOSE                                     | 40.0        | 33.9        |                | ng/L |   | 85   | 60 - 135     | 11  | 30        |
| 4:2 FTS                                     | 37.4        | 35.4        |                | ng/L |   | 95   | 60 - 135     | 9   | 30        |
| 6:2 FTS                                     | 37.9        | 37.3        |                | ng/L |   | 98   | 60 - 135     | 12  | 30        |
| 8:2 FTS                                     | 38.3        | 38.2        |                | ng/L |   | 100  | 60 - 135     | 12  | 30        |
| 10:2 FTS                                    | 38.6        | 36.6        |                | ng/L |   | 95   | 60 - 135     | 0   | 30        |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 37.7        | 30.4        |                | ng/L |   | 81   | 60 - 135     | 1   | 30        |
| HFPO-DA (GenX)                              | 40.0        | 38.2        |                | ng/L |   | 95   | 60 - 135     | 14  | 30        |
| 9Cl-PF3ONS                                  | 37.3        | 33.1        |                | ng/L |   | 89   | 60 - 135     | 2   | 30        |
| 11Cl-PF3OUdS                                | 37.7        | 36.3        |                | ng/L |   | 96   | 60 - 135     | 3   | 30        |

| Isotope Dilution | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------|----------------|----------------|-------------|
| 13C4 PFBA        | 98             |                | 25 - 150    |
| 13C5 PFPeA       | 95             |                | 25 - 150    |
| 13C2 PFHxA       | 103            |                | 25 - 150    |
| 13C4 PFHpA       | 97             |                | 25 - 150    |
| 13C4 PFOA        | 97             |                | 25 - 150    |
| 13C5 PFNA        | 98             |                | 25 - 150    |
| 13C2 PFDA        | 106            |                | 25 - 150    |
| 13C2 PFUnA       | 100            |                | 25 - 150    |
| 13C2 PFDoA       | 101            |                | 25 - 150    |
| 13C2 PFTeDA      | 96             |                | 25 - 150    |
| 13C2 PFHxDA      | 106            |                | 25 - 150    |
| 13C3 PFBS        | 112            |                | 25 - 150    |
| 18O2 PFHxS       | 99             |                | 25 - 150    |
| 13C4 PFOS        | 110            |                | 25 - 150    |
| 13C8 FOSA        | 106            |                | 10 - 150    |
| d3-NMeFOSAA      | 96             |                | 25 - 150    |
| d5-NEtFOSAA      | 109            |                | 25 - 150    |
| d-N-MeFOSA-M     | 88             |                | 10 - 150    |
| d-N-EtFOSA-M     | 87             |                | 10 - 150    |
| d7-N-MeFOSE-M    | 87             |                | 10 - 150    |
| d9-N-EtFOSE-M    | 82             |                | 10 - 150    |
| M2-4:2 FTS       | 75             |                | 25 - 150    |
| M2-6:2 FTS       | 85             |                | 25 - 150    |
| M2-8:2 FTS       | 110            |                | 25 - 150    |
| 13C3 HFPO-DA     | 88             |                | 25 - 150    |
| 13C2 10:2 FTS    | 122            |                | 25 - 150    |



# QC Association Summary

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## LCMS

### Prep Batch: 508842

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-76454-1         | Well 17                | Total/NA  | Water  | 3535   |            |
| 320-76454-2         | Well 17 FB             | Total/NA  | Water  | 3535   |            |
| MB 320-508842/1-A   | Method Blank           | Total/NA  | Water  | 3535   |            |
| LCS 320-508842/2-A  | Lab Control Sample     | Total/NA  | Water  | 3535   |            |
| LCSD 320-508842/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3535   |            |

### Analysis Batch: 509427

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|---------------------|------------------------|-----------|--------|----------------|------------|
| 320-76454-1         | Well 17                | Total/NA  | Water  | 537 (modified) | 508842     |
| 320-76454-2         | Well 17 FB             | Total/NA  | Water  | 537 (modified) | 508842     |
| MB 320-508842/1-A   | Method Blank           | Total/NA  | Water  | 537 (modified) | 508842     |
| LCS 320-508842/2-A  | Lab Control Sample     | Total/NA  | Water  | 537 (modified) | 508842     |
| LCSD 320-508842/3-A | Lab Control Sample Dup | Total/NA  | Water  | 537 (modified) | 508842     |

# Lab Chronicle

Client: City of Eau Claire  
 Project/Site: PFAS Testing

Job ID: 320-76454-1

**Client Sample ID: Well 17**  
**Date Collected: 07/19/21 11:53**  
**Date Received: 07/20/21 09:50**

**Lab Sample ID: 320-76454-1**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method   | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535           |     |            | 275 mL         | 10.0 mL      | 508842       | 07/21/21 12:02       | RAC     | TAL SAC |
| Total/NA  | Analysis   | 537 (modified) |     | 1          |                |              | 509427       | 07/23/21 02:56       | RS1     | TAL SAC |

**Client Sample ID: Well 17 FB**  
**Date Collected: 07/19/21 11:54**  
**Date Received: 07/20/21 09:50**

**Lab Sample ID: 320-76454-2**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method   | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535           |     |            | 279.6 mL       | 10.0 mL      | 508842       | 07/21/21 12:02       | RAC     | TAL SAC |
| Total/NA  | Analysis   | 537 (modified) |     | 1          |                |              | 509427       | 07/23/21 03:05       | RS1     | TAL SAC |

**Laboratory References:**

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



# Accreditation/Certification Summary

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

## Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Wisconsin | State   | 998204680             | 08-31-21        |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Method Summary

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

| Method         | Method Description           | Protocol | Laboratory |
|----------------|------------------------------|----------|------------|
| 537 (modified) | Fluorinated Alkyl Substances | EPA      | TAL SAC    |
| 3535           | Solid-Phase Extraction (SPE) | SW846    | TAL SAC    |

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



# Sample Summary

Client: City of Eau Claire  
Project/Site: PFAS Testing

Job ID: 320-76454-1

---

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 320-76454-1   | Well 17          | Water  | 07/19/21 11:53 | 07/20/21 09:50 |
| 320-76454-2   | Well 17 FB       | Water  | 07/19/21 11:54 | 07/20/21 09:50 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Eurofins TestAmerica, Sacramento

880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record



Form containing Client Information, Sample Identification table, Possible Hazard Identification, Sample Disposal, and Relinquished/Received sections. Includes handwritten entries like 'Ty Fadness', '7- Day Turn Around', 'Well 17', and '1620517'.



320-76454 Chain of Custody

- Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Field Filtered Sample (Yes or No)

Perform MS/MS (Yes or No)

PFAS - PFAS, Extended List (36 Analytes)

PFAS - PFAS, Standard List (36 Analytes)

Total Number of containers



## Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 320-76454-1

**Login Number: 76454**

**List Source: Eurofins TestAmerica, Sacramento**

**List Number: 1**

**Creator: Cahill, Nicholas P**

| Question   | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True   |         |
| The cooler's custody seal, if present, is intact.                                | True   | 1600517 |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.  | True   |         |
| Cooler Temperature is acceptable.  | True   |         |
| Cooler Temperature is recorded.  | True   |         |
| COC is present.  | True   |         |
| COC is filled out in ink and legible.  | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.   | True   |         |
| Containers are not broken or leaking.  | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| Multiphasic samples are not present.   | True   |         |
| Samples do not require splitting or compositing.                                 | True   |         |
| Residual Chlorine Checked.   | N/A    |         |