

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Justin Huntley  
Union County Water  
500 N Main St.  
Monroe, North Carolina 28112

Generated 4/13/2024 9:44:38 AM

## JOB DESCRIPTION

PFAS - 533

## JOB NUMBER

810-99424-1

# Eurofins Eaton Analytical South Bend

## Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

## Authorization



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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	6
Client Sample Results . . . . .	7
Isotope Dilution Summary . . . . .	11
QC Sample Results . . . . .	12
QC Association Summary . . . . .	15
Lab Chronicle . . . . .	16
Certification Summary . . . . .	17
Method Summary . . . . .	18
Sample Summary . . . . .	19
Chain of Custody . . . . .	20
Receipt Checklists . . . . .	22

# Definitions/Glossary

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## 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: Union County Water  
Project: PFAS - 533

Job ID: 810-99424-1

**Job ID: 810-99424-1**

**Eurofins Eaton Analytical South Bend**

## Job Narrative 810-99424-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 4/4/2024 9:00 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 time was 0.4°C.

### PFAS

Method 533: The pH of the following sample was adjusted to pH 7 in the laboratory:.

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

# Detection Summary

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

## Client Sample ID: J18-Rehobeth ARV

Lab Sample ID: 810-99424-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.7		1.9		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	6.1		1.9		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	5.9		1.9		ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.1		1.9		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	3.8		1.9		ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.2		1.9		ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9		1.9		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		1.9		ng/L	1		533	Total/NA

## Client Sample ID: Y01 - Yadkin Finished Water

Lab Sample ID: 810-99424-2

No Detections.

## Client Sample ID: Y02 - Yadkin Raw Water

Lab Sample ID: 810-99424-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	1.9		1.9		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	2.6		1.9		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.7		1.9		ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

**Client Sample ID: J18-Rehobeth ARV**

**Lab Sample ID: 810-99424-1**

Date Collected: 04/03/24 12:01

Matrix: Drinking Water

Date Received: 04/04/24 09:00

**Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.7		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoropentanoic acid (PFPeA)	6.1		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluorohexanoic acid (PFHxA)	5.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoroheptanoic acid (PFHpA)	2.1		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluorooctanoic acid (PFOA)	3.8		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluorononanoic acid (PFNA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluorodecanoic acid (PFDA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluorobutanesulfonic acid (PFBS)	2.2		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluorohexanesulfonic acid (PFHxS)	1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluorooctanesulfonic acid (PFOS)	3.1		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoro(4-methoxybutanoic acid)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1
Perfluoro-3,6-dioxaheptanoic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C5 PFPeA	82		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C5 PFHxA	82		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C4 PFHpA	79		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C8 PFOA	78		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C9 PFNA	79		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C6 PFDA	72		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C7 PFUnA	65		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C2 PFDoA	55		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C3 HFPO-DA	79		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C3 PFBS	84		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C8 PFOS	82		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C2-4:2-FTS	87		50 - 200	04/05/24 11:20	04/06/24 22:10	1

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# Client Sample Results

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

**Client Sample ID: J18-Rehobeth ARV**

**Lab Sample ID: 810-99424-1**

Date Collected: 04/03/24 12:01

Matrix: Drinking Water

Date Received: 04/04/24 09:00

**Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-6:2-FTS	79		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C2-8:2-FTS	86		50 - 200	04/05/24 11:20	04/06/24 22:10	1
13C3 PFHxS	81		50 - 200	04/05/24 11:20	04/06/24 22:10	1

**Client Sample ID: Y01 - Yadkin Finished Water**

**Lab Sample ID: 810-99424-2**

Date Collected: 04/03/24 13:27

Matrix: Drinking Water

Date Received: 04/04/24 09:00

**Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoropentanoic acid (PFPeA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluorohexanoic acid (PFHxA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoroheptanoic acid (PFHpA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluorooctanoic acid (PFOA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluorononanoic acid (PFNA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluorodecanoic acid (PFDA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluorobutanesulfonic acid (PFBS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluorohexanesulfonic acid (PFHxS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluorooctanesulfonic acid (PFOS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoro(4-methoxybutanoic acid)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1
Perfluoro-3,6-dioxaheptanoic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C5 PFPeA	82		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C5 PFHxA	75		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C4 PFHpA	74		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C8 PFOA	78		50 - 200	04/05/24 11:20	04/06/24 22:23	1

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# Client Sample Results

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

## Client Sample ID: Y01 - Yadkin Finished Water

Lab Sample ID: 810-99424-2

Date Collected: 04/03/24 13:27

Matrix: Drinking Water

Date Received: 04/04/24 09:00

### Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	80		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C6 PFDA	77		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C7 PFUnA	74		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C2 PFDoA	67		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C3 HFPO-DA	74		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C3 PFBS	83		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C8 PFOS	84		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C2-4:2-FTS	77		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C2-6:2-FTS	74		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C2-8:2-FTS	86		50 - 200	04/05/24 11:20	04/06/24 22:23	1
13C3 PFHxS	82		50 - 200	04/05/24 11:20	04/06/24 22:23	1

## Client Sample ID: Y02 - Yadkin Raw Water

Lab Sample ID: 810-99424-3

Date Collected: 04/03/24 13:32

Matrix: Drinking Water

Date Received: 04/04/24 09:00

### Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluoropentanoic acid (PFPeA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>1.9</b>		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluoroheptanoic acid (PFHpA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>2.6</b>		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluorononanoic acid (PFNA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluorodecanoic acid (PFDA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluorobutanesulfonic acid (PFBS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluorohexanesulfonic acid (PFHxS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>3.7</b>		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluoro(4-methoxybutanoic acid)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1

Eurofins Eaton Analytical South Bend

# Client Sample Results

Client: Union County Water  
 Project/Site: PFAS - 533

Job ID: 810-99424-1

**Client Sample ID: Y02 - Yadkin Raw Water**

**Lab Sample ID: 810-99424-3**

**Date Collected: 04/03/24 13:32**

**Matrix: Drinking Water**

**Date Received: 04/04/24 09:00**

**Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Perfluoro-3,6-dioxaheptanoic acid	<1.9		1.9		ng/L		04/05/24 11:20	04/06/24 22:37	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	82		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C5 PFPeA	81		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C5 PFHxA	81		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C4 PFHpA	78		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C8 PFOA	78		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C9 PFNA	80		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C6 PFDA	77		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C7 PFUnA	78		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C2 PFDoA	77		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C3 HFPO-DA	77		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C3 PFBS	84		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C8 PFOS	81		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C2-4:2-FTS	99		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C2-6:2-FTS	82		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C2-8:2-FTS	88		50 - 200				04/05/24 11:20	04/06/24 22:37	1
13C3 PFHxS	81		50 - 200				04/05/24 11:20	04/06/24 22:37	1

# Isotope Dilution Summary

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	C6PFDA (50-200)	13C7PUA (50-200)
810-99424-1	J18-Rehobeth ARV	83	82	82	79	78	79	72	65
810-99424-2	Y01 - Yadkin Finished Water	83	82	75	74	78	80	77	74
810-99424-3	Y02 - Yadkin Raw Water	82	81	81	78	78	80	77	78
LLCS 810-94598/2-A	Lab Control Sample	82	82	78	78	83	87	85	82
MBL 810-94598/1-A	Method Blank	85	85	82	81	83	87	85	80

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (50-200)	HFPODA (50-200)	C3PFBS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)	C3PFHS (50-200)
810-99424-1	J18-Rehobeth ARV	55	79	84	82	87	79	86	81
810-99424-2	Y01 - Yadkin Finished Water	67	74	83	84	77	74	86	82
810-99424-3	Y02 - Yadkin Raw Water	77	77	84	81	99	82	88	81
LLCS 810-94598/2-A	Lab Control Sample	73	78	84	86	72	73	86	87
MBL 810-94598/1-A	Method Blank	67	83	80	83	71	70	85	82

### Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- 13C5PHA = 13C5 PFHxA
- C4PFHA = 13C4 PFHpA
- C8PFOA = 13C8 PFOA
- C9PFNA = 13C9 PFNA
- C6PFDA = 13C6 PFDA
- 13C7PUA = 13C7 PFUnA
- PFDoA = 13C2 PFDoA
- HFPODA = 13C3 HFPO-DA
- C3PFBS = 13C3 PFBS
- C8PFOS = 13C8 PFOS
- 42FTS = 13C2-4:2-FTS
- 62FTS = 13C2-6:2-FTS
- 82FTS = 13C2-8:2-FTS
- C3PFHS = 13C3 PFHxS

# QC Sample Results

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

**Lab Sample ID: MBL 810-94598/1-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 94644**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 94598**

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.52		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoropentanoic acid (PFPeA)	<0.38		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluorohexanoic acid (PFHxA)	<0.42		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoroheptanoic acid (PFHpA)	<0.40		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluorooctanoic acid (PFOA)	<0.38		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluorononanoic acid (PFNA)	<0.38		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluorodecanoic acid (PFDA)	<0.36		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoroundecanoic acid (PFUnA)	<0.38		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluorododecanoic acid (PFDoA)	<0.35		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluorobutanesulfonic acid (PFBS)	<0.42		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.39		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.44		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.39		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.45		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.56		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.68		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.57		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.53		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.45		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.51		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoro(4-methoxybutanoic acid)	<0.35		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.32		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1
Perfluoro-3,6-dioxaheptanoic acid	<0.93		2.0		ng/L		04/05/24 11:20	04/06/24 20:21	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C5 PFPeA	85		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C5 PFHxA	82		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C4 PFHpA	81		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C8 PFOA	83		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C9 PFNA	87		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C6 PFDA	85		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C7 PFUnA	80		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C2 PFDoA	67		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C3 HFPO-DA	83		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C3 PFBS	80		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C8 PFOS	83		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C2-4:2-FTS	71		50 - 200	04/05/24 11:20	04/06/24 20:21	1

Eurofins Eaton Analytical South Bend

# QC Sample Results

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

**Lab Sample ID: MBL 810-94598/1-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 94644**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 94598**

Isotope Dilution	MBL MBL		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2-6:2-FTS	70		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C2-8:2-FTS	85		50 - 200	04/05/24 11:20	04/06/24 20:21	1
13C3 PFHxS	82		50 - 200	04/05/24 11:20	04/06/24 20:21	1

**Lab Sample ID: LLCS 810-94598/2-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 94644**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 94598**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	2.00	2.09		ng/L		105	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	2.09		ng/L		104	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	2.08		ng/L		104	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	2.06		ng/L		103	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.02		ng/L		101	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.12		ng/L		106	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	2.05		ng/L		102	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	2.08		ng/L		104	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	2.21		ng/L		111	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.78	1.75	J	ng/L		98	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.81	J	ng/L		96	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.83	1.74	J	ng/L		95	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.84	J	ng/L		96	50 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.96	J	ng/L		105	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.78	2.27		ng/L		127	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.88	2.23		ng/L		119	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.90	2.15		ng/L		113	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.92	2.23		ng/L		116	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.00	2.02		ng/L		101	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.89	1.95	J	ng/L		103	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.87	1.87	J	ng/L		100	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.89	1.85	J	ng/L		98	50 - 150
Perfluoro(4-methoxybutanoic acid)	2.00	1.99	J	ng/L		100	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	2.05		ng/L		102	50 - 150
Perfluoro-3,6-dioxaheptanoic acid	2.00	2.02		ng/L		101	50 - 150

# QC Sample Results

Client: Union County Water  
 Project/Site: PFAS - 533

Job ID: 810-99424-1

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

<i>Isotope Dilution</i>	<i>LLCS LLCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFBA	82		50 - 200
13C5 PFPeA	82		50 - 200
13C5 PFHxA	78		50 - 200
13C4 PFHpA	78		50 - 200
13C8 PFOA	83		50 - 200
13C9 PFNA	87		50 - 200
13C6 PFDA	85		50 - 200
13C7 PFUnA	82		50 - 200
13C2 PFDoA	73		50 - 200
13C3 HFPO-DA	78		50 - 200
13C3 PFBS	84		50 - 200
13C8 PFOS	86		50 - 200
13C2-4:2-FTS	72		50 - 200
13C2-6:2-FTS	73		50 - 200
13C2-8:2-FTS	86		50 - 200
13C3 PFHxS	87		50 - 200

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# QC Association Summary

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

## LCMS

### Prep Batch: 94598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-99424-1	J18-Rehobeth ARV	Total/NA	Drinking Water	533	
810-99424-2	Y01 - Yadkin Finished Water	Total/NA	Drinking Water	533	
810-99424-3	Y02 - Yadkin Raw Water	Total/NA	Drinking Water	533	
MBL 810-94598/1-A	Method Blank	Total/NA	Drinking Water	533	
LLCS 810-94598/2-A	Lab Control Sample	Total/NA	Drinking Water	533	

### Analysis Batch: 94644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-99424-1	J18-Rehobeth ARV	Total/NA	Drinking Water	533	94598
810-99424-2	Y01 - Yadkin Finished Water	Total/NA	Drinking Water	533	94598
810-99424-3	Y02 - Yadkin Raw Water	Total/NA	Drinking Water	533	94598
MBL 810-94598/1-A	Method Blank	Total/NA	Drinking Water	533	94598
LLCS 810-94598/2-A	Lab Control Sample	Total/NA	Drinking Water	533	94598

# Lab Chronicle

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

## Client Sample ID: J18-Rehobeth ARV

Lab Sample ID: 810-99424-1

Date Collected: 04/03/24 12:01

Matrix: Drinking Water

Date Received: 04/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			94598	KB	EA SB	04/05/24 11:20
Total/NA	Analysis	533		1	94644	KB	EA SB	04/06/24 22:10

## Client Sample ID: Y01 - Yadkin Finished Water

Lab Sample ID: 810-99424-2

Date Collected: 04/03/24 13:27

Matrix: Drinking Water

Date Received: 04/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			94598	KB	EA SB	04/05/24 11:20
Total/NA	Analysis	533		1	94644	KB	EA SB	04/06/24 22:23

## Client Sample ID: Y02 - Yadkin Raw Water

Lab Sample ID: 810-99424-3

Date Collected: 04/03/24 13:32

Matrix: Drinking Water

Date Received: 04/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			94598	KB	EA SB	04/05/24 11:20
Total/NA	Analysis	533		1	94644	KB	EA SB	04/06/24 22:37

**Laboratory References:**

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777



# Accreditation/Certification Summary

Client: Union County Water  
 Project/Site: PFAS - 533

Job ID: 810-99424-1

## Laboratory: Eurofins Eaton Analytical South Bend

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
North Carolina (DW)	State	18700	07-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
533	533	Drinking Water	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
533	533	Drinking Water	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)
533	533	Drinking Water	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)
533	533	Drinking Water	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)
533	533	Drinking Water	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
533	533	Drinking Water	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
533	533	Drinking Water	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)
533	533	Drinking Water	Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)
533	533	Drinking Water	Perfluoro(4-methoxybutanoic acid)
533	533	Drinking Water	Perfluoro-3,6-dioxaheptanoic acid
533	533	Drinking Water	Perfluoro-3-methoxypropanoic acid (PFMPA)
533	533	Drinking Water	Perfluorobutanesulfonic acid (PFBS)
533	533	Drinking Water	Perfluorobutanoic acid (PFBA)
533	533	Drinking Water	Perfluorodecanoic acid (PFDA)
533	533	Drinking Water	Perfluorododecanoic acid (PFDoA)
533	533	Drinking Water	Perfluoroheptanesulfonic acid (PFHpS)
533	533	Drinking Water	Perfluoroheptanoic acid (PFHpA)
533	533	Drinking Water	Perfluorohexanesulfonic acid (PFHxS)
533	533	Drinking Water	Perfluorohexanoic acid (PFHxA)
533	533	Drinking Water	Perfluorononanoic acid (PFNA)
533	533	Drinking Water	Perfluorooctanesulfonic acid (PFOS)
533	533	Drinking Water	Perfluorooctanoic acid (PFOA)
533	533	Drinking Water	Perfluoropentanesulfonic acid (PFPeS)
533	533	Drinking Water	Perfluoropentanoic acid (PFPeA)
533	533	Drinking Water	Perfluoroundecanoic acid (PFUnA)

# Method Summary

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA SB
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA SB

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777



# Sample Summary

Client: Union County Water  
Project/Site: PFAS - 533

Job ID: 810-99424-1

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<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
810-99424-1	J18-Rehobeth ARV	Drinking Water	04/03/24 12:01	04/04/24 09:00
810-99424-2	Y01 - Yadkin Finished Water	Drinking Water	04/03/24 13:27	04/04/24 09:00
810-99424-3	Y02 - Yadkin Raw Water	Drinking Water	04/03/24 13:32	04/04/24 09:00

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# Chain of Custody Record



<b>Client Information</b> Client Contact: Justin Huntley Company: Union County Water Address: 500 N Main St, Monroe, NC, 28112 Phone: 704-285-3307 (Tel) Email: Justin.Huntley@UnionCountyNC.gov Project Name: PFAS - 533 Site:		Sampler: Jordan Helms Lab PM: Mattheis, Joe E-Mail: Joe.Mattheis@et.eurofins.com Phone: 980-269-7728 PWSID:		Carrier Tracking No(s): 810-34242-6174.1 State of Origin:		COC No: 810-34242-6174.1 Page: Page 1 of 1 Job #:		
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: Purchase Order not required WO #:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Perform Method (or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 533 - (MOD) Local Method <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Analysis Requested  810-99424 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 Other:		Total Number of Containers:
<b>Sample Identification</b> J18- Rehobeth ARV Y01- Yadkin Finished Water Y02- Yadkin Raw Water		Sample Date 4/3/24 4/3/24 4/3/24	Sample Time 12:01P 1:27P 1:32P	Sample Type (C=Comp, G=grab) G G G	Matrix (Water, Sewage, On-site, etc.) Drinking Water Drinking Water Drinking Water	Special Instructions/Note: 1.2 1.04 25Wet		
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological								
Deliverable Requested: I, II, III, IV, Other (specify)								
Empty Kit Relinquished by:								
Relinquished by: <i>Justin Helms</i> Date/Time: 4/3/24 2:40P		Relinquished by: <i>Ramona Williams</i> Date/Time: 4/14/24 0900		Relinquished by: _____ Date/Time: _____		Relinquished by: _____ Date/Time: _____		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Method of Shipment:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		


**Eurofins Eaton Analytical South Bend**

110 S Hill Street  
 South Bend, IN 46617  
 Phone: 574-233-4777 Fax: 574-233-8207

**Chain of Custody Record**



Environment Testing

<b>Client Information</b>				Sampler: <b>Jordan Helms</b>		Lab PM: <b>Mattheis, Joe</b>		Carrier Tracking No(s):		COC No: <b>810-34242-6174.1</b>	
Client Contact: <b>Justin Huntley</b>				Phone: <b>980-269-7728</b>		E-Mail: <b>Joe.Mattheis@et.eurofinsus.com</b>		State of Origin:		Page: <b>Page 1 of 1</b>	
Company: <b>Union County Water</b>				PWSID:		<b>Analysis Requested</b>					
Address: <b>500 N Main St.</b>				Due Date Requested:							
City: <b>Monroe</b>				TAT Requested (days):		 810-99424 Chain of Custody					
State, Zip: <b>NC, 28112</b>				Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No							
Phone: <b>704-289-3307(Tel)</b>				PO #:							
Email: <b>Justin.Huntley@UnionCountyNC.gov</b>				Purchase Order not required							
Project Name: <b>PFAS - 533</b>				Project #: <b>81004979</b>		Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform MS/MSD (Yes or No) <input type="checkbox"/> 533 - (MOD) Local Method <input type="checkbox"/>					
Site:				SSOW#:							
<b>Preservation Codes:</b>											
				A - HCL				M - Hexane			
				B - NaOH				N - None			
				C - Zn Acetate				O - AsNaO2			
				D - Nitric Acid				P - Na2O4S			
				E - NaHSO4				Q - Na2SO3			
				F - MeOH				R - Na2S2O3			
				G - Amchlor				S - H2SO4			
				H - Ascorbic Acid				T - TSP Dodecahydrate			
				I - Ice				U - Acetone			
				J - DI Water				V - MCAA			
				K - EDTA				W - pH 4-5			
				L - EDA				Y - Trizma			
								Z - other (specify)			
<b>Other:</b>											
<b>Special Instructions/Note:</b>											
<b>Sample Identification</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=comp, G=grab)</b>	<b>Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)</b>	<b>Field Filtered Sample (Yes or No)</b>	<b>Perform MS/MSD (Yes or No)</b>	<b>533 - (MOD) Local Method</b>	<b>Total Number of containers</b>	<b>Special Instructions/Note:</b>	
						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
J18- Rehobeth ARV		4/3/24	12:01P	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Y01- Yadkin Finished Water		4/3/24	1:27P	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1.2 04 J5WET	
Y02- Yadkin Raw Water		4/3/24	1:32P	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<b>Possible Hazard Identification</b>		<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:									
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:							
Relinquished by: <i>Jordan Helms</i>		Date/Time: <b>4/3/24 2:40P</b>	Company:	Received by: <i>Kameron Williams</i>		Date/Time: <b>4/4/24 0900</b>		Company: <i>EA-SB</i>			
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:		Company:			
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:		Company:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							

# Login Sample Receipt Checklist

Client: Union County Water

Job Number: 810-99424-1

**Login Number: 99424**

**List Number: 1**

**Creator: Williams, Kameron**

**List Source: Eurofins Eaton Analytical South Bend**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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	
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	
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	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	