

 **ANALYTICAL REPORT****PREPARED FOR**

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Union County Water
500 N Main St.
Monroe, North Carolina 28112

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JOB DESCRIPTION

PFAS - 533

JOB NUMBER

810-166895-1

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	16
Lab Chronicle	17
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

Definitions/Glossary

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

Job ID: 810-166895-1

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.
☼	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: 810-166895-1

Job ID: 810-166895-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-166895-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 10/8/2025 9:15 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 2.5°C.

PFAS

Method 533: The pH of the following samples were adjusted to pH 7.5 in the laboratory: J18-Rehobeth ARV (810-166895-1), Y01-Yadkin Finished Water (810-166895-2) and Y02-Yadkin Raw Water (810-166895-3)

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: 810-166895-1

Client Sample ID: J18-Rehobeth ARV

Lab Sample ID: 810-166895-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.9		1.9		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	6.9		1.9		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	6.2		1.9		ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.2		1.9		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	3.8		1.9		ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0		1.9		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.4		1.9		ng/L	1		533	Total/NA

Client Sample ID: Y01-Yadkin Finished Water

Lab Sample ID: 810-166895-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.7		2.0		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	2.8		2.0		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	2.5		2.0		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	2.1		2.0		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		2.0		ng/L	1		533	Total/NA

Client Sample ID: Y02-Yadkin Raw Water

Lab Sample ID: 810-166895-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.8		1.9		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	3.0		1.9		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	2.8		1.9		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	2.6		1.9		ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.9		1.9		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.5		1.9		ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical South Bend

Client Sample Results

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

Job ID: 810-166895-1

Client Sample ID: J18-Rehobeth ARV

Lab Sample ID: 810-166895-1

Date Collected: 10/07/25 10:45

Matrix: Drinking Water

Date Received: 10/08/25 09:15

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)	3.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoropentanoic acid (PFPeA)	6.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluorohexanoic acid (PFHxA)	6.2		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoroheptanoic acid (PFHpA)	2.2		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluorooctanoic acid (PFOA)	3.8		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluorononanoic acid (PFNA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluorodecanoic acid (PFDA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluorobutanesulfonic acid (PFBS)	2.0		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluorohexanesulfonic acid (PFHxS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluorooctanesulfonic acid (PFOS)	3.4		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoro(4-methoxybutanoic acid)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1
Perfluoro-3,6-dioxaheptanoic acid	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 03:45	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	106		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C5 PFPeA	108		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C5 PFHxA	102		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C4 PFHpA	99		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C8 PFOA	100		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C9 PFNA	91		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C6 PFDA	93		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C7 PFUnA	95		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C2 PFDoA	92		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C3 HFPO-DA	96		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C3 PFBS	108		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C8 PFOS	101		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C2-4:2-FTS	106		50 - 200	10/09/25 10:17	10/10/25 03:45	1

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Client Sample Results

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

Job ID: 810-166895-1

Client Sample ID: J18-Rehobeth ARV

Lab Sample ID: 810-166895-1

Date Collected: 10/07/25 10:45

Matrix: Drinking Water

Date Received: 10/08/25 09:15

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	109		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C2-8:2-FTS	101		50 - 200	10/09/25 10:17	10/10/25 03:45	1
13C3 PFHxS	102		50 - 200	10/09/25 10:17	10/10/25 03:45	1

Client Sample ID: Y01-Yadkin Finished Water

Lab Sample ID: 810-166895-2

Date Collected: 10/07/25 13:34

Matrix: Drinking Water

Date Received: 10/08/25 09:15

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		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoropentanoic acid (PFPeA)	2.8		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluorohexanoic acid (PFHxA)	2.5		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluorooctanoic acid (PFOA)	2.1		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluorooctanesulfonic acid (PFOS)	2.3		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoro(4-methoxybutanoic acid)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Perfluoro-3,6-dioxaheptanoic acid	<2.0		2.0		ng/L		10/09/25 10:17	10/10/25 04:00	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	108		50 - 200				10/09/25 10:17	10/10/25 04:00	1
13C5 PFPeA	111		50 - 200				10/09/25 10:17	10/10/25 04:00	1
13C5 PFHxA	106		50 - 200				10/09/25 10:17	10/10/25 04:00	1
13C4 PFHpA	103		50 - 200				10/09/25 10:17	10/10/25 04:00	1
13C8 PFOA	98		50 - 200				10/09/25 10:17	10/10/25 04:00	1

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Client Sample Results

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

Job ID: 810-166895-1

Client Sample ID: Y01-Yadkin Finished Water

Lab Sample ID: 810-166895-2

Date Collected: 10/07/25 13:34

Matrix: Drinking Water

Date Received: 10/08/25 09:15

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	90		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C6 PFDA	87		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C7 PFUnA	88		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C2 PFDoA	91		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C3 HFPO-DA	100		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C3 PFBS	112		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C8 PFOS	105		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C2-4:2-FTS	108		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C2-6:2-FTS	104		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C2-8:2-FTS	106		50 - 200	10/09/25 10:17	10/10/25 04:00	1
13C3 PFHxS	105		50 - 200	10/09/25 10:17	10/10/25 04:00	1

Client Sample ID: Y02-Yadkin Raw Water

Lab Sample ID: 810-166895-3

Date Collected: 10/07/25 13:40

Matrix: Drinking Water

Date Received: 10/08/25 09:15

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)	2.8		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluoropentanoic acid (PFPeA)	3.0		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluorohexanoic acid (PFHxA)	2.8		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluoroheptanoic acid (PFHpA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluorooctanoic acid (PFOA)	2.6		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluorononanoic acid (PFNA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluorodecanoic acid (PFDA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluorobutanesulfonic acid (PFBS)	1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluorohexanesulfonic acid (PFHxS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluorooctanesulfonic acid (PFOS)	4.5		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Perfluoro(4-methoxybutanoic acid)	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1

Eurofins Eaton Analytical South Bend

Client Sample Results

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

Job ID: 810-166895-1

Client Sample ID: Y02-Yadkin Raw Water

Lab Sample ID: 810-166895-3

Date Collected: 10/07/25 13:40

Matrix: Drinking Water

Date Received: 10/08/25 09:15

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		10/09/25 10:17	10/10/25 04:16	1
Perfluoro-3,6-dioxaheptanoic acid	<1.9		1.9		ng/L		10/09/25 10:17	10/10/25 04:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	106		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C5 PFPeA	111		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C5 PFHxA	98		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C4 PFHpA	94		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C8 PFOA	95		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C9 PFNA	86		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C6 PFDA	80		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C7 PFUnA	83		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C2 PFDoA	81		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C3 HFPO-DA	95		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C3 PFBS	111		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C8 PFOS	106		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C2-4:2-FTS	114		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C2-6:2-FTS	108		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C2-8:2-FTS	109		50 - 200				10/09/25 10:17	10/10/25 04:16	1
13C3 PFHxS	101		50 - 200				10/09/25 10:17	10/10/25 04:16	1

Isotope Dilution Summary

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

Job ID: 810-166895-1

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)
810-166895-1	J18-Rehobeth ARV	106	108	102	99	100	91	93	95
810-166895-2	Y01-Yadkin Finished Water	108	111	106	103	98	90	87	88
810-166895-3	Y02-Yadkin Raw Water	106	111	98	94	95	86	80	83
LCS 810-163893/3-A	Lab Control Sample	101	101	100	103	101	103	99	99
LLCS 810-163893/2-A	Lab Control Sample	95	99	92	92	99	93	94	95
MBL 810-163893/1-A	Method Blank	97	98	93	91	101	96	94	91

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFD _o A (50-200)	HFPODA (50-200)	C3PFBS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)	C3PFHS (50-200)
810-166895-1	J18-Rehobeth ARV	92	96	108	101	106	109	101	102
810-166895-2	Y01-Yadkin Finished Water	91	100	112	105	108	104	106	105
810-166895-3	Y02-Yadkin Raw Water	81	95	111	106	114	108	109	101
LCS 810-163893/3-A	Lab Control Sample	94	100	102	99	98	96	100	98
LLCS 810-163893/2-A	Lab Control Sample	87	86	103	102	91	92	98	99
MBL 810-163893/1-A	Method Blank	88	91	100	97	87	89	93	97

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
- PFD_oA = 13C2 PFD_oA
- 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: 810-166895-1

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

Lab Sample ID: MBL 810-163893/1-A
Matrix: Drinking Water
Analysis Batch: 163980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 163893

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.52		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoropentanoic acid (PFPeA)	<0.77		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluorohexanoic acid (PFHxA)	<0.73		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoroheptanoic acid (PFHpA)	<0.72		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluorooctanoic acid (PFOA)	<0.74		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluorononanoic acid (PFNA)	<0.73		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluorodecanoic acid (PFDA)	<0.66		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoroundecanoic acid (PFUnA)	<0.70		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluorobutanesulfonic acid (PFBS)	<0.66		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoropentanesulfonic acid (PFPeS)	<0.69		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.60		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluorooctanesulfonic acid (PFOS)	<0.69		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.66		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.67		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.68		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.57		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.71		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.60		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.97		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.82		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoro(4-methoxybutanoic acid)	<0.65		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.81		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1
Perfluoro-3,6-dioxaheptanoic acid	<0.93		2.0		ng/L		10/09/25 10:17	10/10/25 01:56	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C5 PFPeA	98		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C5 PFHxA	93		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C4 PFHpA	91		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C8 PFOA	101		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C9 PFNA	96		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C6 PFDA	94		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C7 PFUnA	91		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C2 PFDoA	88		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C3 HFPO-DA	91		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C3 PFBS	100		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C8 PFOS	97		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C2-4:2-FTS	87		50 - 200	10/09/25 10:17	10/10/25 01:56	1

Eurofins Eaton Analytical South Bend

QC Sample Results

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

Job ID: 810-166895-1

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

Lab Sample ID: MBL 810-163893/1-A
Matrix: Drinking Water
Analysis Batch: 163980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 163893

Isotope Dilution	MBL MBL		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2-6:2-FTS	89		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C2-8:2-FTS	93		50 - 200	10/09/25 10:17	10/10/25 01:56	1
13C3 PFHxS	97		50 - 200	10/09/25 10:17	10/10/25 01:56	1

Lab Sample ID: LCS 810-163893/3-A
Matrix: Drinking Water
Analysis Batch: 163980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 163893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	200	192		ng/L		96	70 - 130
Perfluorohexanoic acid (PFHxA)	200	197		ng/L		98	70 - 130
Perfluoroheptanoic acid (PFHpA)	200	190		ng/L		95	70 - 130
Perfluorooctanoic acid (PFOA)	200	192		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	200	187		ng/L		94	70 - 130
Perfluorodecanoic acid (PFDA)	200	202		ng/L		101	70 - 130
Perfluoroundecanoic acid (PFUnA)	200	193		ng/L		97	70 - 130
Perfluorododecanoic acid (PFDoA)	200	201		ng/L		100	70 - 130
Perfluorobutanesulfonic acid (PFBS)	178	171		ng/L		96	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	188	181		ng/L		96	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	183	178		ng/L		97	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	191	188		ng/L		98	70 - 130
Perfluorooctanesulfonic acid (PFOS)	186	184		ng/L		99	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	178	175		ng/L		98	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	188	194		ng/L		104	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	190	193		ng/L		101	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	192	173		ng/L		90	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	200	193		ng/L		96	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	189	182		ng/L		96	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	187	181		ng/L		97	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	189	183		ng/L		97	70 - 130
Perfluoro(4-methoxybutanoic acid)	200	195		ng/L		97	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	200	192		ng/L		96	70 - 130
Perfluoro-3,6-dioxaheptanoic acid	200	195		ng/L		97	70 - 130

QC Sample Results

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

Job ID: 810-166895-1

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

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	101		50 - 200
13C5 PFPeA	101		50 - 200
13C5 PFHxA	100		50 - 200
13C4 PFHpA	103		50 - 200
13C8 PFOA	101		50 - 200
13C9 PFNA	103		50 - 200
13C6 PFDA	99		50 - 200
13C7 PFUnA	99		50 - 200
13C2 PFDoA	94		50 - 200
13C3 HFPO-DA	100		50 - 200
13C3 PFBS	102		50 - 200
13C8 PFOS	99		50 - 200
13C2-4:2-FTS	98		50 - 200
13C2-6:2-FTS	96		50 - 200
13C2-8:2-FTS	100		50 - 200
13C3 PFHxS	98		50 - 200

Lab Sample ID: LLCS 810-163893/2-A

Matrix: Drinking Water

Analysis Batch: 163980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 163893

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	2.00	1.88	J	ng/L		94	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	1.81	J	ng/L		90	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	1.81	J	ng/L		90	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	1.82	J	ng/L		91	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	1.71	J	ng/L		86	50 - 150
Perfluorononanoic acid (PFNA)	2.00	1.80	J	ng/L		90	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	1.90	J	ng/L		95	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	1.81	J	ng/L		90	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	1.92	J	ng/L		96	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.78	1.52	J	ng/L		86	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.63	J	ng/L		87	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.83	1.66	J	ng/L		91	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.67	J	ng/L		88	50 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.68	J	ng/L		90	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	1.78	1.79	J	ng/L		101	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.88	1.98	J	ng/L		106	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.90	1.81	J	ng/L		95	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.92	1.73	J	ng/L		90	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.00	1.80	J	ng/L		90	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.89	1.76	J	ng/L		93	50 - 150

Eurofins Eaton Analytical South Bend

QC Sample Results

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

Job ID: 810-166895-1

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

Lab Sample ID: LLCS 810-163893/2-A

Matrix: Drinking Water

Analysis Batch: 163980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 163893

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.87	1.61	J	ng/L		86	50 - 150
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid	1.89	1.58	J	ng/L		84	50 - 150
Perfluoro(4-methoxybutanoic acid)	2.00	1.82	J	ng/L		91	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	1.73	J	ng/L		86	50 - 150
Perfluoro-3,6-dioxaheptanoic acid	2.00	1.85	J	ng/L		92	50 - 150

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	95		50 - 200
13C5 PFPeA	99		50 - 200
13C5 PFHxA	92		50 - 200
13C4 PFHpA	92		50 - 200
13C8 PFOA	99		50 - 200
13C9 PFNA	93		50 - 200
13C6 PFDA	94		50 - 200
13C7 PFUnA	95		50 - 200
13C2 PFDoA	87		50 - 200
13C3 HFPO-DA	86		50 - 200
13C3 PFBS	103		50 - 200
13C8 PFOS	102		50 - 200
13C2-4:2-FTS	91		50 - 200
13C2-6:2-FTS	92		50 - 200
13C2-8:2-FTS	98		50 - 200
13C3 PFHxS	99		50 - 200

QC Association Summary

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

Job ID: 810-166895-1

LCMS

Prep Batch: 163893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-166895-1	J18-Rehobeth ARV	Total/NA	Drinking Water	533	
810-166895-2	Y01-Yadkin Finished Water	Total/NA	Drinking Water	533	
810-166895-3	Y02-Yadkin Raw Water	Total/NA	Drinking Water	533	
MBL 810-163893/1-A	Method Blank	Total/NA	Drinking Water	533	
LCS 810-163893/3-A	Lab Control Sample	Total/NA	Drinking Water	533	
LLCS 810-163893/2-A	Lab Control Sample	Total/NA	Drinking Water	533	

Analysis Batch: 163980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-166895-1	J18-Rehobeth ARV	Total/NA	Drinking Water	533	163893
810-166895-2	Y01-Yadkin Finished Water	Total/NA	Drinking Water	533	163893
810-166895-3	Y02-Yadkin Raw Water	Total/NA	Drinking Water	533	163893
MBL 810-163893/1-A	Method Blank	Total/NA	Drinking Water	533	163893
LCS 810-163893/3-A	Lab Control Sample	Total/NA	Drinking Water	533	163893
LLCS 810-163893/2-A	Lab Control Sample	Total/NA	Drinking Water	533	163893

Lab Chronicle

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

Job ID: 810-166895-1

Client Sample ID: J18-Rehobeth ARV

Lab Sample ID: 810-166895-1

Date Collected: 10/07/25 10:45

Matrix: Drinking Water

Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			163893	MR	EA SB	10/09/25 10:17
Total/NA	Analysis	533		1	163980	MH	EA SB	10/10/25 03:45

Client Sample ID: Y01-Yadkin Finished Water

Lab Sample ID: 810-166895-2

Date Collected: 10/07/25 13:34

Matrix: Drinking Water

Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			163893	MR	EA SB	10/09/25 10:17
Total/NA	Analysis	533		1	163980	MH	EA SB	10/10/25 04:00

Client Sample ID: Y02-Yadkin Raw Water

Lab Sample ID: 810-166895-3

Date Collected: 10/07/25 13:40

Matrix: Drinking Water

Date Received: 10/08/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			163893	MR	EA SB	10/09/25 10:17
Total/NA	Analysis	533		1	163980	MH	EA SB	10/10/25 04:16

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: 810-166895-1

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	07-31-26

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	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	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	Perfluorohexanoic acid (PFHxA)
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: 810-166895-1

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: 810-166895-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
810-166895-1	J18-Rehobeth ARV	Drinking Water	10/07/25 10:45	10/08/25 09:15	North Carolina
810-166895-2	Y01-Yadkin Finished Water	Drinking Water	10/07/25 13:34	10/08/25 09:15	North Carolina
810-166895-3	Y02-Yadkin Raw Water	Drinking Water	10/07/25 13:40	10/08/25 09:15	North Carolina

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South Bend, IN 46617
 Phone: 574-233-4777 Fax: 574-

Chain of Custody Record



810-166695 COC

Sampler: **Deryl Emis**

Phone: **704-506-9683**

Lab P#:
 Matheris, Joe
 Email: Joe.Matheris@eurofins.com

Carrier Tracking No(s):
 State of Origin:

COC No: 810-52870-6174.1
 Page: 1 of 1
 Job #:

Due Date Requested:

Analysis Requested

TAT Requested (days):

Preservation Codes:
 1 - NH4 Acetate

Compliance Project: Yes No

PO #:
 Purchase Order not required

WO #:

Project #:

SSOW#:

Project Name: Justin.Huntley@UnionCountyNC.gov
 PFAS - 533
 Site:

Sample Identification

Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=original, B=brine, A=air, D=DW=drinking water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
Y01 - Rehobeth ARV	10-7-25	1045	G	drinking Water	533 - (MOD) Local Method			
Y01 - Yackin Finished Water	10-7-25	1334	G	drinking Water				
Y02 - Yackin Raw Water	10-7-25	1340	G	drinking Water				

Initial Temp: 1.8
 Initial Temp: 2.5
 Initial Temp: 82.0

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Requested by: **Deryl Emis**

Date/Time: 10-7-25 1408

Date:

Time:

Method of Shipment:

Date/Time: 12-08-2015 0515

Date/Time: 12-08-2015 0515

Company: CCW

Received by: **[Signature]**

Date/Time: 12-08-2015 0515

Company: EEA515

Requested by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Ustody Seals Intact: Yes No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Union County Water

Job Number: 810-166895-1

Login Number: 166895

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Moore, Gary

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	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Container provided by EEA	True	

