



ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/27/2023 9:09:00 PM

JOB DESCRIPTION

PFAS - 533

JOB NUMBER

810-76645-1

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: 810-76645-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
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/Site: PFAS - 533

Job ID: 810-76645-1

Job ID: 810-76645-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

**Job Narrative
810-76645-1**

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 9/7/2023 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 8.8°C

PFAS

Method 533: Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: 13C2-8:2-FTS at 218% (50-200%). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. There are no detects associated with the affected IDA; therefore the data is to be reported.

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: 810-76645-1

Client Sample ID: J18- Rehobeth ARV

Lab Sample ID: 810-76645-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	3.9		2.0		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	3.3		2.0		ng/L	1		533	Total/NA

Client Sample ID: T07-Hwy 74 E Bps

Lab Sample ID: 810-76645-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.3		2.0		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	4.6		2.0		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	4.3		2.0		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	3.5		2.0		ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.3		2.0		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.9		2.0		ng/L	1		533	Total/NA

Client Sample ID: NOR-Norwood WTP

Lab Sample ID: 810-76645-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.9		2.0		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	3.3		2.0		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	2.8		2.0		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	2.7		2.0		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.5		2.0		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: 810-76645-1

Client Sample ID: J18- Rehobeth ARV

Lab Sample ID: 810-76645-1

Date Collected: 09/06/23 08:15

Matrix: Drinking Water

Date Received: 09/07/23 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)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoropentanoic acid (PFPeA)	3.9		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluorohexanoic acid (PFHxA)	3.3		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoro(4-methoxybutanoic acid)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1
Perfluoro-3,6-dioxaheptanoic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 09:59	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	178		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C5 PFPeA	165		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C5 PFHxA	157		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C4 PFHpA	168		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C8 PFOA	179		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C9 PFNA	193		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C6 PFDA	187		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C7 PFUnA	186		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C2 PFDoA	177		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C3 HFPO-DA	161		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C3 PFBS	171		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C8 PFOS	179		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C2-4:2-FTS	169		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C2-6:2-FTS	189		50 - 200	09/20/23 06:40	09/22/23 09:59	1
13C2-8:2-FTS	218	*5+	50 - 200	09/20/23 06:40	09/22/23 09:59	1

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Client Sample Results

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

Job ID: 810-76645-1

Client Sample ID: J18- Rehobeth ARV

Lab Sample ID: 810-76645-1

Date Collected: 09/06/23 08:15

Matrix: Drinking Water

Date Received: 09/07/23 09:15

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	174		50 - 200	09/20/23 06:40	09/22/23 09:59	1

Client Sample ID: T07-Hwy 74 E Bps

Lab Sample ID: 810-76645-2

Date Collected: 09/06/23 09:14

Matrix: Drinking Water

Date Received: 09/07/23 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)	4.3		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoropentanoic acid (PFPeA)	4.6		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluorohexanoic acid (PFHxA)	4.3		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluorooctanoic acid (PFOA)	3.5		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluorobutanesulfonic acid (PFBS)	2.3		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluorooctanesulfonic acid (PFOS)	4.9		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoro(4-methoxybutanoic acid)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Perfluoro-3,6-dioxahexanoic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		50 - 200				09/20/23 06:40	09/22/23 10:13	1
13C5 PFPeA	81		50 - 200				09/20/23 06:40	09/22/23 10:13	1
13C5 PFHxA	76		50 - 200				09/20/23 06:40	09/22/23 10:13	1
13C4 PFHpA	79		50 - 200				09/20/23 06:40	09/22/23 10:13	1
13C8 PFOA	87		50 - 200				09/20/23 06:40	09/22/23 10:13	1
13C9 PFNA	94		50 - 200				09/20/23 06:40	09/22/23 10:13	1

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Client Sample Results

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

Job ID: 810-76645-1

Client Sample ID: T07-Hwy 74 E Bps

Lab Sample ID: 810-76645-2

Date Collected: 09/06/23 09:14

Matrix: Drinking Water

Date Received: 09/07/23 09:15

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6 PFDA	91		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C7 PFUnA	92		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C2 PFDoA	90		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C3 HFPO-DA	77		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C3 PFBS	84		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C8 PFOS	91		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C2-4:2-FTS	79		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C2-6:2-FTS	98		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C2-8:2-FTS	111		50 - 200	09/20/23 06:40	09/22/23 10:13	1
13C3 PFHxS	88		50 - 200	09/20/23 06:40	09/22/23 10:13	1

Client Sample ID: NOR-Norwood WTP

Lab Sample ID: 810-76645-3

Date Collected: 09/06/23 10:00

Matrix: Drinking Water

Date Received: 09/07/23 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)	2.9		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluoropentanoic acid (PFPeA)	3.3		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluorohexanoic acid (PFHxA)	2.8		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluorooctanoic acid (PFOA)	2.7		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluorooctanesulfonic acid (PFOS)	4.5		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluoro(4-methoxybutanoic acid)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1

Eurofins Eaton Analytical South Bend

Client Sample Results

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

Job ID: 810-76645-1

Client Sample ID: NOR-Norwood WTP

Lab Sample ID: 810-76645-3

Date Collected: 09/06/23 10:00

Matrix: Drinking Water

Date Received: 09/07/23 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-3,6-dioxaheptanoic acid	<2.0		2.0		ng/L		09/20/23 06:40	09/22/23 10:26	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	87		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C5 PFPeA	79		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C5 PFHxA	73		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C4 PFHpA	77		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C8 PFOA	82		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C9 PFNA	89		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C6 PFDA	86		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C7 PFUnA	87		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C2 PFDoA	86		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C3 HFPO-DA	74		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C3 PFBS	80		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C8 PFOS	87		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C2-4:2-FTS	74		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C2-6:2-FTS	92		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C2-8:2-FTS	108		50 - 200				09/20/23 06:40	09/22/23 10:26	1
13C3 PFHxS	84		50 - 200				09/20/23 06:40	09/22/23 10:26	1

Isotope Dilution Summary

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

Job ID: 810-76645-1

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)
810-76645-1	J18- Rehobeth ARV	178	165	157	168	179	193	187	186
810-76645-2	T07-Hwy 74 E Bps	91	81	76	79	87	94	91	92
810-76645-3	NOR-Norwood WTP	87	79	73	77	82	89	86	87
LCS 810-74092/3-A	Lab Control Sample	98	98	94	98	98	96	98	99
LLCS 810-74092/2-A	Lab Control Sample	95	93	95	96	96	101	100	100
MBL 810-74092/1-A	Method Blank	93	90	89	92	93	95	93	93

		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)
810-76645-1	J18- Rehobeth ARV	177	161	171	179	169	189	218 *5+	174
810-76645-2	T07-Hwy 74 E Bps	90	77	84	91	79	98	111	88
810-76645-3	NOR-Norwood WTP	86	74	80	87	74	92	108	84
LCS 810-74092/3-A	Lab Control Sample	92	97	96	97	131	135	127	100
LLCS 810-74092/2-A	Lab Control Sample	93	95	93	93	111	103	112	91
MBL 810-74092/1-A	Method Blank	89	90	89	90	104	106	111	92

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: 810-76645-1

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

Lab Sample ID: MBL 810-74092/1-A
Matrix: Drinking Water
Analysis Batch: 74270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74092

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.52		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoropentanoic acid (PFPeA)	<0.38		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluorohexanoic acid (PFHxA)	<0.42		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoroheptanoic acid (PFHpA)	<0.40		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluorooctanoic acid (PFOA)	<0.38		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluorononanoic acid (PFNA)	<0.38		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluorodecanoic acid (PFDA)	<0.36		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoroundecanoic acid (PFUnA)	<0.38		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluorododecanoic acid (PFDoA)	<0.35		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluorobutanesulfonic acid (PFBS)	<0.42		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluorohexanesulfonic acid (PFHxS)	<0.39		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.44		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluorooctanesulfonic acid (PFOS)	<0.39		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.45		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.56		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.68		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.57		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.53		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.45		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.51		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoro(4-methoxybutanoic acid)	<0.35		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.32		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1
Perfluoro-3,6-dioxaheptanoic acid	<0.93		2.0		ng/L		09/20/23 06:40	09/22/23 08:24	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C5 PFPeA	90		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C5 PFHxA	89		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C4 PFHpA	92		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C8 PFOA	93		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C9 PFNA	95		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C6 PFDA	93		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C7 PFUnA	93		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C2 PFDoA	89		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C3 HFPO-DA	90		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C3 PFBS	89		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C8 PFOS	90		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C2-4:2-FTS	104		50 - 200	09/20/23 06:40	09/22/23 08:24	1

Eurofins Eaton Analytical South Bend

QC Sample Results

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

Job ID: 810-76645-1

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

Lab Sample ID: MBL 810-74092/1-A
Matrix: Drinking Water
Analysis Batch: 74270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 74092

Isotope Dilution	MBL MBL		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2-6:2-FTS	106		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C2-8:2-FTS	111		50 - 200	09/20/23 06:40	09/22/23 08:24	1
13C3 PFHxS	92		50 - 200	09/20/23 06:40	09/22/23 08:24	1

Lab Sample ID: LCS 810-74092/3-A
Matrix: Drinking Water
Analysis Batch: 74270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 74092

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	400	386		ng/L		97	70 - 130
Perfluorohexanoic acid (PFHxA)	400	400		ng/L		100	70 - 130
Perfluoroheptanoic acid (PFHpA)	400	387		ng/L		97	70 - 130
Perfluorooctanoic acid (PFOA)	400	387		ng/L		97	70 - 130
Perfluorononanoic acid (PFNA)	400	387		ng/L		97	70 - 130
Perfluorodecanoic acid (PFDA)	400	381		ng/L		95	70 - 130
Perfluoroundecanoic acid (PFUnA)	400	385		ng/L		96	70 - 130
Perfluorododecanoic acid (PFDoA)	400	398		ng/L		100	70 - 130
Perfluorobutanesulfonic acid (PFBS)	355	345		ng/L		97	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	376	357		ng/L		95	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	365	348		ng/L		95	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	382	381		ng/L		100	70 - 130
Perfluorooctanesulfonic acid (PFOS)	371	358		ng/L		97	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	357	319		ng/L		89	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	375	365		ng/L		97	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	381	378		ng/L		99	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	384	378		ng/L		99	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	400	390		ng/L		98	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	378	369		ng/L		97	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	374	340		ng/L		91	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	378	359		ng/L		95	70 - 130
Perfluoro(4-methoxybutanoic acid)	400	391		ng/L		98	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	400	387		ng/L		97	70 - 130
Perfluoro-3,6-dioxaheptanoic acid	400	406		ng/L		102	70 - 130

QC Sample Results

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

Job ID: 810-76645-1

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

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	98		50 - 200
13C5 PFPeA	98		50 - 200
13C5 PFHxA	94		50 - 200
13C4 PFHpA	98		50 - 200
13C8 PFOA	98		50 - 200
13C9 PFNA	96		50 - 200
13C6 PFDA	98		50 - 200
13C7 PFUnA	99		50 - 200
13C2 PFDoA	92		50 - 200
13C3 HFPO-DA	97		50 - 200
13C3 PFBS	96		50 - 200
13C8 PFOS	97		50 - 200
13C2-4:2-FTS	131		50 - 200
13C2-6:2-FTS	135		50 - 200
13C2-8:2-FTS	127		50 - 200
13C3 PFHxS	100		50 - 200

Lab Sample ID: LLCS 810-74092/2-A

Matrix: Drinking Water

Analysis Batch: 74270

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74092

Analyte	Spike Added	LLCS	LLCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	2.00	1.94	J	ng/L		97	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	2.02		ng/L		101	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	2.01		ng/L		100	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	2.03		ng/L		102	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	1.86	J	ng/L		93	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.02		ng/L		101	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	1.98	J	ng/L		99	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	1.92	J	ng/L		96	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	1.99	J	ng/L		100	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.78	1.72	J	ng/L		97	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.76	J	ng/L		94	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.83	1.77	J	ng/L		97	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.79	J	ng/L		94	50 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.84	J	ng/L		99	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.78	2.04		ng/L		114	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.88	2.07		ng/L		110	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.90	2.14		ng/L		113	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.92	2.07		ng/L		108	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.00	1.96	J	ng/L		98	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.89	1.81	J	ng/L		96	50 - 150

Eurofins Eaton Analytical South Bend

QC Sample Results

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

Job ID: 810-76645-1

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

Lab Sample ID: LLCS 810-74092/2-A

Matrix: Drinking Water

Analysis Batch: 74270

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 74092

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxan onane-1-sulfonic acid	1.87	1.70	J	ng/L		91	50 - 150
11-Chloroeicosfluoro-3-oxaund ecane-1-sulfonic acid	1.89	1.82	J	ng/L		96	50 - 150
Perfluoro(4-methoxybutanoic acid)	2.00	1.96	J	ng/L		98	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	1.93	J	ng/L		97	50 - 150
Perfluoro-3,6-dioxaheptanoic acid	2.00	2.01		ng/L		101	50 - 150

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	95		50 - 200
13C5 PFPeA	93		50 - 200
13C5 PFHxA	95		50 - 200
13C4 PFHpA	96		50 - 200
13C8 PFOA	96		50 - 200
13C9 PFNA	101		50 - 200
13C6 PFDA	100		50 - 200
13C7 PFUnA	100		50 - 200
13C2 PFDoA	93		50 - 200
13C3 HFPO-DA	95		50 - 200
13C3 PFBS	93		50 - 200
13C8 PFOS	93		50 - 200
13C2-4:2-FTS	111		50 - 200
13C2-6:2-FTS	103		50 - 200
13C2-8:2-FTS	112		50 - 200
13C3 PFHxS	91		50 - 200

QC Association Summary

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

Job ID: 810-76645-1

LCMS

Prep Batch: 74092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-76645-1	J18- Rehobeth ARV	Total/NA	Drinking Water	533	
810-76645-2	T07-Hwy 74 E Bps	Total/NA	Drinking Water	533	
810-76645-3	NOR-Norwood WTP	Total/NA	Drinking Water	533	
MBL 810-74092/1-A	Method Blank	Total/NA	Drinking Water	533	
LCS 810-74092/3-A	Lab Control Sample	Total/NA	Drinking Water	533	
LLCS 810-74092/2-A	Lab Control Sample	Total/NA	Drinking Water	533	

Analysis Batch: 74270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-76645-1	J18- Rehobeth ARV	Total/NA	Drinking Water	533	74092
810-76645-2	T07-Hwy 74 E Bps	Total/NA	Drinking Water	533	74092
810-76645-3	NOR-Norwood WTP	Total/NA	Drinking Water	533	74092
MBL 810-74092/1-A	Method Blank	Total/NA	Drinking Water	533	74092
LCS 810-74092/3-A	Lab Control Sample	Total/NA	Drinking Water	533	74092
LLCS 810-74092/2-A	Lab Control Sample	Total/NA	Drinking Water	533	74092



Lab Chronicle

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

Job ID: 810-76645-1

Client Sample ID: J18- Rehobeth ARV

Lab Sample ID: 810-76645-1

Date Collected: 09/06/23 08:15

Matrix: Drinking Water

Date Received: 09/07/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			74092	KL	EA SB	09/20/23 06:40
Total/NA	Analysis	533		1	74270	KB	EA SB	09/22/23 09:59

Client Sample ID: T07-Hwy 74 E Bps

Lab Sample ID: 810-76645-2

Date Collected: 09/06/23 09:14

Matrix: Drinking Water

Date Received: 09/07/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			74092	KL	EA SB	09/20/23 06:40
Total/NA	Analysis	533		1	74270	KB	EA SB	09/22/23 10:13

Client Sample ID: NOR-Norwood WTP

Lab Sample ID: 810-76645-3

Date Collected: 09/06/23 10:00

Matrix: Drinking Water

Date Received: 09/07/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			74092	KL	EA SB	09/20/23 06:40
Total/NA	Analysis	533		1	74270	KB	EA SB	09/22/23 10:26

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: 810-76645-1

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-Chloroeicosafuoro-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 (PFEESA)
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: 810-76645-1

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: 810-76645-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-76645-1	J18- Rehobeth ARV	Drinking Water	09/06/23 08:15	09/07/23 09:15
810-76645-2	T07-Hwy 74 E Bps	Drinking Water	09/06/23 09:14	09/07/23 09:15
810-76645-3	NOR-Norwood WTP	Drinking Water	09/06/23 10:00	09/07/23 09:15

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Login Sample Receipt Checklist

Client: Union County Water

Job Number: 810-76645-1

Login Number: 76645

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	
Container provided by EEA	True	