

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

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

Generated 5/4/2023 9:43:11 PM

**JOB DESCRIPTION**

PFAS - 533

**JOB NUMBER**

810-55930-1

# Eurofins Eaton Analytical South Bend

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated  
5/4/2023 9:43:11 PM

Authorized for release by  
Joe Mattheis, Project Manager I  
[Joe.Mattheis@et.eurofinsus.com](mailto:Joe.Mattheis@et.eurofinsus.com)  
(574)233-4777



# 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 . . . . .	21

# Definitions/Glossary

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

Job ID: 810-55930-1

## 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/Site: PFAS - 533

Job ID: 810-55930-1

---

## Job ID: 810-55930-1

---

Laboratory: Eurofins Eaton Analytical South Bend

### Narrative

---

Job Narrative  
810-55930-1

### Receipt

The samples were received on 3/9/2023 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 0.2°C

### PFAS

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

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

# Detection Summary

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

Job ID: 810-55930-1

## Client Sample ID: J18 - Rehabeth ARV

Lab Sample ID: 810-55930-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	3.5		1.9		ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.1		1.9		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		1.9		ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.0		1.9		ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.0		1.9		ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	3.7		1.9		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	5.2		1.9		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	5.7		1.9		ng/L	1		533	Total/NA

## Client Sample ID: T07 - Hwy 74 E BPS

Lab Sample ID: 810-55930-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	2.4		1.9		ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0		1.9		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.6		1.9		ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	6.9		1.9		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	2.5		1.9		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	2.9		1.9		ng/L	1		533	Total/NA

## Client Sample ID: NOR - Norwood WTP

Lab Sample ID: 810-55930-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	2.1		1.9		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.3		1.9		ng/L	1		533	Total/NA
Perfluorobutanoic acid (PFBA)	5.9		1.9		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	2.2		1.9		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	2.3		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: 810-55930-1

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

**Lab Sample ID: 810-55930-1**

Date Collected: 03/08/23 09:42

Matrix: Drinking Water

Date Received: 03/09/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	3.5		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluorobutanesulfonic acid (PFBS)	2.1		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluorooctanesulfonic acid (PFOS)	3.1		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluorohexanesulfonic acid (PFHxS)	2.0		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluorodecanoic acid (PFDA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluorononanoic acid (PFNA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoroheptanoic acid (PFHpA)	2.0		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluorobutanoic acid (PFBA)	3.7		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluorohexanoic acid (PFHxA)	5.2		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoro(4-methoxybutanoic acid)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoro-3,6-dioxahexanoic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoropentanoic acid (PFPeA)	5.7		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6 PFDA	62		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C5 PFHxA	76		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C3 PFBS	87		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C2 PFDoA	58		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C2-6:2-FTS	91		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C5 PFPeA	93		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C2-4:2-FTS	93		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C7 PFUnA	59		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C8 PFOA	68		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C9 PFNA	66		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C4 PFHpA	73		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C3 HFPO-DA	76		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C2-8:2-FTS	90		50 - 200	03/30/23 06:44	04/02/23 21:20	1

Eurofins Eaton Analytical South Bend

# Client Sample Results

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

Job ID: 810-55930-1

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

**Lab Sample ID: 810-55930-1**

Date Collected: 03/08/23 09:42

Matrix: Drinking Water

Date Received: 03/09/23 09:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	86		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C8 PFOS	84		50 - 200	03/30/23 06:44	04/02/23 21:20	1
13C4 PFBA	81		50 - 200	03/30/23 06:44	04/02/23 21:20	1

**Client Sample ID: T07 - Hwy 74 E BPS**

**Lab Sample ID: 810-55930-2**

Date Collected: 03/08/23 11:09

Matrix: Drinking Water

Date Received: 03/09/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	2.4		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluorobutanesulfonic acid (PFBS)	2.0		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluorooctanesulfonic acid (PFOS)	3.6		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluorohexanesulfonic acid (PFHxS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluorodecanoic acid (PFDA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluorononanoic acid (PFNA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoroheptanoic acid (PFHpA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluorobutanoic acid (PFBA)	6.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluorohexanoic acid (PFHxA)	2.5		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoro(4-methoxybutanoic acid)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoro-3,6-dioxaheptanoic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoropentanoic acid (PFPeA)	2.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 21:46	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C6 PFDA	66		50 - 200	03/30/23 06:44	04/02/23 21:46	1			
13C5 PFHxA	82		50 - 200	03/30/23 06:44	04/02/23 21:46	1			
13C3 PFBS	94		50 - 200	03/30/23 06:44	04/02/23 21:46	1			
13C2 PFDoA	61		50 - 200	03/30/23 06:44	04/02/23 21:46	1			

Eurofins Eaton Analytical South Bend



# Client Sample Results

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

Job ID: 810-55930-1

**Client Sample ID: T07 - Hwy 74 E BPS**

**Lab Sample ID: 810-55930-2**

Date Collected: 03/08/23 11:09

Matrix: Drinking Water

Date Received: 03/09/23 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	98		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C5 PFPeA	99		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C2-4:2-FTS	104		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C7 PFUnA	61		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C8 PFOA	75		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C9 PFNA	70		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C4 PFHpA	79		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C3 HFPO-DA	82		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C2-8:2-FTS	98		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C3 PFHxS	96		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C8 PFOS	90		50 - 200	03/30/23 06:44	04/02/23 21:46	1
13C4 PFBA	89		50 - 200	03/30/23 06:44	04/02/23 21:46	1

**Client Sample ID: NOR - Norwood WTP**

**Lab Sample ID: 810-55930-3**

Date Collected: 03/08/23 12:41

Matrix: Drinking Water

Date Received: 03/09/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorooctanoic acid (PFOA)</b>	<b>2.1</b>		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluorobutanesulfonic acid (PFBS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>3.3</b>		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluorohexanesulfonic acid (PFHxS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluorodecanoic acid (PFDA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluorononanoic acid (PFNA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluoroheptanoic acid (PFHpA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
<b>Perfluorobutanoic acid (PFBA)</b>	<b>5.9</b>		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>2.2</b>		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluoro(4-methoxybutanoic acid)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Perfluoro-3,6-dioxaheptanoic acid	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>2.3</b>		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1

Eurofins Eaton Analytical South Bend

# Client Sample Results

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

Job ID: 810-55930-1

**Client Sample ID: NOR - Norwood WTP**

**Lab Sample ID: 810-55930-3**

Date Collected: 03/08/23 12:41

Matrix: Drinking Water

Date Received: 03/09/23 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
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9		ng/L		03/30/23 06:44	04/02/23 22:00	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C6 PFDA	65		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C5 PFHxA	83		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C3 PFBS	91		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C2 PFDoA	59		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C2-6:2-FTS	97		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C5 PFPeA	96		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C2-4:2-FTS	99		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C7 PFUnA	59		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C8 PFOA	77		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C9 PFNA	72		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C4 PFHpA	81		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C3 HFPO-DA	86		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C2-8:2-FTS	99		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C3 PFHxS	93		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C8 PFOS	89		50 - 200				03/30/23 06:44	04/02/23 22:00	1
13C4 PFBA	88		50 - 200				03/30/23 06:44	04/02/23 22:00	1

# Isotope Dilution Summary

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

Job ID: 810-55930-1

## 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	C6PFDA (50-200)	13C5PHA (50-200)	C3PFBS (50-200)	PFDoA (50-200)	62FTS (50-200)	PFPeA (50-200)	42FTS (50-200)	13C7PUA (50-200)
810-55930-1	J18 - Rehabeth ARV	62	76	87	58	91	93	93	59
810-55930-2	T07 - Hwy 74 E BPS	66	82	94	61	98	99	104	61
810-55930-3	NOR - Norwood WTP	65	83	91	59	97	96	99	59
LLCS 810-53447/2-A	Lab Control Sample	89	91	93	86	91	90	90	86
MBL 810-53447/1-A	Method Blank	91	95	95	90	93	93	94	89

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	C8PFOA (50-200)	C9PFNA (50-200)	C4PFHA (50-200)	HFPODA (50-200)	82FTS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	PFBA (50-200)
810-55930-1	J18 - Rehabeth ARV	68	66	73	76	90	86	84	81
810-55930-2	T07 - Hwy 74 E BPS	75	70	79	82	98	96	90	89
810-55930-3	NOR - Norwood WTP	77	72	81	86	99	93	89	88
LLCS 810-53447/2-A	Lab Control Sample	92	92	92	88	90	93	89	92
MBL 810-53447/1-A	Method Blank	93	93	95	84	94	95	91	94

### Surrogate Legend

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

# QC Sample Results

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

Job ID: 810-55930-1

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

**Lab Sample ID: MBL 810-53447/1-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 53853**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 53447**

Analyte	MBL	MBL	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorooctanoic acid (PFOA)	<0.38		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluorobutanesulfonic acid (PFBS)	<0.42		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluorooctanesulfonic acid (PFOS)	<0.39		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.53		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.45		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluorohexanesulfonic acid (PFHxS)	<0.39		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoroundecanoic acid (PFUnA)	<0.38		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluorodecanoic acid (PFDA)	<0.36		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.45		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.56		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluorononanoic acid (PFNA)	<0.38		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.68		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoroheptanoic acid (PFHpA)	<0.40		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.51		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.32		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluorobutanoic acid (PFBA)	<0.52		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluorododecanoic acid (PFDoA)	<0.35		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluorohexanoic acid (PFHxA)	<0.42		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoro(4-methoxybutanoic acid)	<0.35		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoro-3,6-dioxaheptanoic acid	<0.93		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoropentanoic acid (PFPeA)	<0.38		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.44		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.57		2.0		ng/L		03/30/23 06:44	04/02/23 18:38	1

Isotope Dilution	MBL	MBL	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C6 PFDA	91		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C5 PFHxA	95		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C3 PFBS	95		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C2 PFDoA	90		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C2-6:2-FTS	93		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C5 PFPeA	93		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C2-4:2-FTS	94		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C7 PFUnA	89		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C8 PFOA	93		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C9 PFNA	93		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C4 PFHpA	95		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C3 HFPO-DA	84		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C2-8:2-FTS	94		50 - 200	03/30/23 06:44	04/02/23 18:38	1

Eurofins Eaton Analytical South Bend

# QC Sample Results

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

Job ID: 810-55930-1

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

**Lab Sample ID: MBL 810-53447/1-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 53853**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 53447**

Isotope Dilution	MBL MBL		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFHxS	95		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C8 PFOS	91		50 - 200	03/30/23 06:44	04/02/23 18:38	1
13C4 PFBA	94		50 - 200	03/30/23 06:44	04/02/23 18:38	1

**Lab Sample ID: LLCS 810-53447/2-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 53853**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 53447**

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorooctanoic acid (PFOA)	2.00	2.09		ng/L		104	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.78	1.68	J	ng/L		95	50 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.86	J	ng/L		100	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.00	2.09		ng/L		105	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.87	1.77	J	ng/L		95	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.83	1.75	J	ng/L		96	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	1.97	J	ng/L		98	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.89	1.81	J	ng/L		96	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	1.91	J	ng/L		96	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	1.78	1.69	J	ng/L		95	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.88	2.05		ng/L		109	50 - 150
Perfluorononanoic acid (PFNA)	2.00	1.95	J	ng/L		97	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.81	J	ng/L		97	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.90	2.02		ng/L		106	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	1.94	J	ng/L		97	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.89	1.74	J	ng/L		92	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	1.90	J	ng/L		95	50 - 150
Perfluorobutanoic acid (PFBA)	2.00	2.28		ng/L		114	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	2.13		ng/L		107	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	1.96	J	ng/L		98	50 - 150
Perfluoro(4-methoxybutanoic acid)	2.00	1.90	J	ng/L		95	50 - 150
Perfluoro-3,6-dioxaheptanoic acid	2.00	2.25		ng/L		113	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	1.98	J	ng/L		99	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.88	J	ng/L		98	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.92	2.09		ng/L		109	50 - 150

# QC Sample Results

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

Job ID: 810-55930-1

## 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>	
13C6 PFDA	89		50 - 200
13C5 PFHxA	91		50 - 200
13C3 PFBS	93		50 - 200
13C2 PFDoA	86		50 - 200
13C2-6:2-FTS	91		50 - 200
13C5 PFPeA	90		50 - 200
13C2-4:2-FTS	90		50 - 200
13C7 PFUnA	86		50 - 200
13C8 PFOA	92		50 - 200
13C9 PFNA	92		50 - 200
13C4 PFHpA	92		50 - 200
13C3 HFPO-DA	88		50 - 200
13C2-8:2-FTS	90		50 - 200
13C3 PFHxS	93		50 - 200
13C8 PFOS	89		50 - 200
13C4 PFBA	92		50 - 200

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

# QC Association Summary

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

Job ID: 810-55930-1

## LCMS

### Prep Batch: 53447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-55930-1	J18 - Rehabeth ARV	Total/NA	Drinking Water	533	
810-55930-2	T07 - Hwy 74 E BPS	Total/NA	Drinking Water	533	
810-55930-3	NOR - Norwood WTP	Total/NA	Drinking Water	533	
MBL 810-53447/1-A	Method Blank	Total/NA	Drinking Water	533	
LLCS 810-53447/2-A	Lab Control Sample	Total/NA	Drinking Water	533	

### Analysis Batch: 53853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-55930-1	J18 - Rehabeth ARV	Total/NA	Drinking Water	533	53447
810-55930-2	T07 - Hwy 74 E BPS	Total/NA	Drinking Water	533	53447
810-55930-3	NOR - Norwood WTP	Total/NA	Drinking Water	533	53447
MBL 810-53447/1-A	Method Blank	Total/NA	Drinking Water	533	53447
LLCS 810-53447/2-A	Lab Control Sample	Total/NA	Drinking Water	533	53447

# Lab Chronicle

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

Job ID: 810-55930-1

## Client Sample ID: J18 - Rehabeth ARV

Lab Sample ID: 810-55930-1

Date Collected: 03/08/23 09:42

Matrix: Drinking Water

Date Received: 03/09/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			53447	NR	EA SB	03/30/23 06:44
Total/NA	Analysis	533		1	53853	CM	EA SB	04/02/23 21:20

## Client Sample ID: T07 - Hwy 74 E BPS

Lab Sample ID: 810-55930-2

Date Collected: 03/08/23 11:09

Matrix: Drinking Water

Date Received: 03/09/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			53447	NR	EA SB	03/30/23 06:44
Total/NA	Analysis	533		1	53853	CM	EA SB	04/02/23 21:46

## Client Sample ID: NOR - Norwood WTP

Lab Sample ID: 810-55930-3

Date Collected: 03/08/23 12:41

Matrix: Drinking Water

Date Received: 03/09/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			53447	NR	EA SB	03/30/23 06:44
Total/NA	Analysis	533		1	53853	CM	EA SB	04/02/23 22:00

**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: 810-55930-1

## 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	07-31-23

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: 810-55930-1

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: 810-55930-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-55930-1	J18 - Rehabeth ARV	Drinking Water	03/08/23 09:42	03/09/23 09:00
810-55930-2	T07 - Hwy 74 E BPS	Drinking Water	03/08/23 11:09	03/09/23 09:00
810-55930-3	NOR - Norwood WTP	Drinking Water	03/08/23 12:41	03/09/23 09:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

South Bend, IN

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

## Chain of Custody Record



### Client Information

Client Contact: Justin Huntley  
Company: Union County Water  
Address: 500 N Main St  
City: Monroe  
State, Zip: NC, 28112  
Phone: 704-289-3307(Tel)  
Email: Justin.Huntley@UnionCountyNC.gov  
Project Name: PFAS - 533  
Site: SSO#

Sampler: Jordan Helms  
Phone: 980-269-1728  
Company: Union County Water  
Lab PI#: Joe Mattheis, Joe  
E-Mail: Joe.Mattheis@et.eurofins.com  
Carrier Tracking No(s):  
State of Origin:  
COC No: 810-22197-6174.1  
Page: Page 1 of 1  
Job #:

Due Date Requested:  
TAT Requested (days):  
Compliance Project:  Yes  No  
Purchase Order not required  
PO #:  
WFO #:  
Project #: 81004979  
SSOW#:

Analysis Requested  
810-55930 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 - EDTA  
Other:  
M - Hexane  
N - None  
O - AsNaO2  
P - Na2O4S  
Q - Na2SO3  
R - Na2S2O3  
S - H2SO4  
T - TSP Dodecahydrate  
U - Acetone  
V - MCAA  
W - PH 4-5  
Y - Trizma  
Z - other (Specify)

### Sample Identification

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (Metal, Semimetal, Organic, A=Al)	Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	533 - (MOD) Local Method	Total Number of containers	Special Instructions/Note:
3/8/23	9:42A	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
3/8/23	11:09A	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
3/8/23	12:41P	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Initial Temp: 0.4 Corrected Temp: 0.2 UP Gun # 2500C

### Possible Hazard Identification

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological

Deliverable Requested: I, II, III, IV, Other (Specify):  
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
Special Instructions/QC Requirements:

### Empty Kit Relinquished by:

Relinquished by: Jordan Helms  
Date/Time: 3/8/23 1:33P  
Company: Union County Water

Relinquished by: *[Signature]*  
Date/Time: *[Blank]*  
Company: *[Blank]*

Relinquished by: *[Blank]*  
Date/Time: *[Blank]*  
Company: *[Blank]*

### Custody Seal Intact:

Yes  No   
Custody Seal No.:  
Cooler Temperature(s) °C and Other Remarks:

## Login Sample Receipt Checklist

Client: Union County Water

Job Number: 810-55930-1

Login Number: 55930

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Williams, Kameron

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	