

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

Attn: Mike Lankford  
Gadsden Water Works  
515 Albert Rains Blvd  
Gadsden, Alabama 35901

Generated 8/2/2023 8:48:29 AM

**JOB DESCRIPTION**

PFAS

**JOB NUMBER**

810-68703-1

# Detection Summary

Client: Gadsden Water Works  
Project/Site: PFAS

Job ID: 810-68703-1

## Client Sample ID: RW

Lab Sample ID: 810-68703-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	12		2.0	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	36		2.0	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	24		2.0	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.0		2.0	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	27		2.0	ng/L	1		533	Total/NA
Perfluorononanoic acid (PFNA)	2.6		2.0	ng/L	1		533	Total/NA
Perfluorodecanoic acid (PFDA)	3.3		2.0	ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	90		2.0	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.0	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	30		2.0	ng/L	1		533	Total/NA

## Client Sample ID: FW

Lab Sample ID: 810-68703-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	13		1.9	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	41		1.9	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	29		1.9	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	10		1.9	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	26		1.9	ng/L	1		533	Total/NA
Perfluorononanoic acid (PFNA)	2.1		1.9	ng/L	1		533	Total/NA
Perfluorodecanoic acid (PFDA)	2.2		1.9	ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	120		1.9	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.9		1.9	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	23		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: Gadsden Water Works  
Project/Site: PFAS

Job ID: 810-68703-1

**Client Sample ID: RW**  
Date Collected: 07/05/23 09:00  
Date Received: 07/07/23 09:00

**Lab Sample ID: 810-68703-1**  
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluoropentanoic acid (PFPeA)	36		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluorohexanoic acid (PFHxA)	24		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluoroheptanoic acid (PFHpA)	9.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluorooctanoic acid (PFOA)	27		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluorononanoic acid (PFNA)	2.6		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluorodecanoic acid (PFDA)	3.3		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluorobutanesulfonic acid (PFBS)	90		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluorooctanesulfonic acid (PFOS)	30		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0	ng/L		07/25/23 06:23	07/25/23 22:49	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C4 PFBA	104		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C5 PFPeA	109		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C5 PFHxA	106		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C4 PFHpA	106		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C8 PFOA	101		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C9 PFNA	104		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C6 PFDA	101		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C7 PFUnA	98		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C2 PFDoA	96		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C3 HFPO-DA	101		50 - 200			07/25/23 06:23	07/25/23 22:49	1
13C3 PFBS	104		50 - 200			07/25/23 06:23	07/25/23 22:49	1

Eurofins Eaton Analytical South Bend

# Client Sample Results

Client: Gadsden Water Works  
Project/Site: PFAS

Job ID: 810-68703-1

## Client Sample ID: RW

Date Collected: 07/05/23 09:00

Date Received: 07/07/23 09:00

Lab Sample ID: 810-68703-1

Matrix: Drinking Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	105		50 - 200	07/25/23 06:23	07/25/23 22:49	1
13C2-4:2-FTS	132		50 - 200	07/25/23 06:23	07/25/23 22:49	1
13C2-6:2-FTS	121		50 - 200	07/25/23 06:23	07/25/23 22:49	1
13C2-8:2-FTS	114		50 - 200	07/25/23 06:23	07/25/23 22:49	1
13C3 PFHxS	106		50 - 200	07/25/23 06:23	07/25/23 22:49	1

## Client Sample ID: FW

Date Collected: 07/05/23 09:00

Date Received: 07/07/23 09:00

Lab Sample ID: 810-68703-2

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluoropentanoic acid (PFPeA)	41		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluorohexanoic acid (PFHxA)	29		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluoroheptanoic acid (PFHpA)	10		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluorooctanoic acid (PFOA)	26		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluorononanoic acid (PFNA)	2.1		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluorodecanoic acid (PFDA)	2.2		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluorobutanesulfonic acid (PFBS)	120		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluorohexanesulfonic acid (PFHxS)	2.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluorooctanesulfonic acid (PFOS)	23		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<1.9		1.9	ng/L		07/25/23 06:23	07/25/23 23:30	1

Eurofins Eaton Analytical South Bend



# Chain of Custody Record

810-68703 Chain of Custody

Mike Lankford

Gadsden Water Works

515 Albert Rains Blvd

Gadsden

State Zip  
AL 35901

Phone

Email  
mlankford@gadsdenwater.org

Project Name  
GWWWSB Pilot

Site  
[Redacted]

Sampler  
NATHAN BROWNS  
Phone # 810-543-2884  
PWSID

Lab PM  
Nathan Trowbridge  
E-Mail  
Nathan.Trowbridge@et.eurofinsus.com

Carrier Tracking No(s)  
State of Origin

COC No  
810-25558-6975.1  
Page  
Page 1 of 1  
Job #

Due Date Requested:  
TAT Requested (days):

Compliance Project: A Yes A No

Purchase Order not required

Project #  
81005583

SSOW#

## Sample Identification

Sample Date

Sample Time

Sample Type (C=Comp, G=grab) Preservation Code: (W=water, S=solid, O=other, B=Trace, A=Add)

Field Filtered Sample (Yes or No)

HA

N

D

Y

N

N

D

N

Total Number of containers

Special Instructions/Note:

Sample ID	Sample Date	Sample Time	Sample Type	Preservation Code	Matrix	Field Filtered Sample (Yes or No)	HA	N	D	Y	N	N	D	N
WIGEN	7/5/23	0900	G		Water	524.2_Pres_PREC - Regulated Drinking Water	3	1	1	2	1	3	2	
DESALTEC	7/5/23	0900	G		Water	2540C_Calcd - Total Dissolved Solids (TDS)	-	-	-	-	-	-	-	
WIGEN	7/5/23	0900	G		drinking Water	200.7_200.8	1	-	2	-	3	1		
DESALTEC	7/5/23	0900	G		drinking Water	537.1_DW_PREC - (MOD) PFC18	2	1	2	1	3	2		
DESALTEC	7/5/23	0900	G		drinking Water	200.7 - (MOD) ICP-AES Metals Scan	2	1	2	1	3	2		
					Water	533 - Local Method	2	1	2	1	3	2		
					Water	525.2_PREC - Polycyclic Aromatic Hydrocarbons	2	1	2	1	3	2		
					Water	200.7_SDWA, 200.8_SDWA	2	1	2	1	3	2		
					Water	200.7_SDWA - (MOD) ICP-AES Metals Scan	2	1	2	1	3	2		

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

Empty Kit Relinquished by  
Relinquished by: [Redacted] Date/Time: 7/5/23  
Requested by: [Redacted] Date/Time: 7/5/23  
Received by: [Redacted] Date/Time: 7/5/23  
Company: GWWWSB

Custody Seats Intact  Custody Seal No   
WET ICE WAS MELTED UPON RECEIPT  
pH Acceptable