

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

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

Generated 8/13/2025 7:43:03 AM

JOB DESCRIPTION

PFAS

JOB NUMBER

810-158241-1

Case Narrative

Client: Gadsden Water Works
Project: PFAS

Job ID: 810-158241-1

Job ID: 810-158241-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-158241-1

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 8/5/2025 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 1.4°C.

Receipt Exceptions

<COC list 533 as the method collected. We received 537 containers for each site instead.>

GADSDEN-RW (810-158241-1), GADSDEN-FW (810-158241-2) and TRIP BLANK (810-158241-3)

PFAS

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

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Client Sample Results

Client: Gadsden Water Works
Project/Site: PFAS

Job ID: 810-158241-1

Client Sample ID: GADSDEN-RW

Lab Sample ID: 810-158241-1

Date Collected: 08/03/25 20:20

Matrix: Drinking Water

Date Received: 08/05/25 09:15

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	0.000043		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorohexanoic acid (PFHxA)	0.000024		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorooctanoic acid (PFOA)	0.000030		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorodecanoic acid (PFDA)	0.0000041		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorohexanesulfonic acid (PFHxS)	0.0000040		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorobutanesulfonic acid (PFBS)	0.00011		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluoroheptanoic acid (PFHpA)	0.0000086		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorononanoic acid (PFNA)	0.0000035		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Perfluorotridecanoic acid (PFTTrDA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	91		70 - 130			08/11/25 05:52	08/12/25 02:08	1
13C2 PFDA	91		70 - 130			08/11/25 05:52	08/12/25 02:08	1
13C3 HFPO-DA	82		70 - 130			08/11/25 05:52	08/12/25 02:08	1
d5-NEtFOSAA	97		70 - 130			08/11/25 05:52	08/12/25 02:08	1

Client Sample ID: GADSDEN-FW

Lab Sample ID: 810-158241-2

Date Collected: 08/04/25 11:00

Matrix: Drinking Water

Date Received: 08/05/25 09:15

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	0.0000069		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluorohexanoic acid (PFHxA)	0.000012		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluorooctanoic acid (PFOA)	0.0000078		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluorodecanoic acid (PFDA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluorobutanesulfonic acid (PFBS)	0.000047		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluoroheptanoic acid (PFHpA)	0.0000032		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluorononanoic acid (PFNA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1

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Client Sample Results

Client: Gadsden Water Works
Project/Site: PFAS

Job ID: 810-158241-1

Client Sample ID: GADSDEN-FW

Lab Sample ID: 810-158241-2

Date Collected: 08/04/25 11:00

Matrix: Drinking Water

Date Received: 08/05/25 09:15

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020 (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		08/11/25 05:52	08/12/25 02:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	96		70 - 130			08/11/25 05:52	08/12/25 02:18	1
13C2 PFDA	93		70 - 130			08/11/25 05:52	08/12/25 02:18	1
13C3 HFPO-DA	83		70 - 130			08/11/25 05:52	08/12/25 02:18	1
d5-NEtFOSAA	97		70 - 130			08/11/25 05:52	08/12/25 02:18	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 810-158241-3

Date Collected: 08/04/25 00:00

Matrix: Drinking Water

Date Received: 08/05/25 09:15

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorohexanoic acid (PFHxA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorooctanoic acid (PFOA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorodecanoic acid (PFDA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluoroheptanoic acid (PFHpA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorononanoic acid (PFNA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		08/11/25 07:13	08/12/25 09:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	98		70 - 130			08/11/25 07:13	08/12/25 09:01	1

Eurofins Eaton Analytical South Bend

Chain of Custody Record



Client Information
 Client Contact: Mike Lankford
 Gadsden Water Works
 Address: 515 Albert Rains Blvd
 City: Gadsden
 State, Zip: AL, 35901
 Phone: [blank]
 Email: mlankford@gadsdenwater.org
 Project Name: PFAS
 Site: GADSDEN

810-158241 COC
 Sample: N/AHDEL PROBS
 Phone: (256) 318-2884
 Lab Pk: Nathan, Trowbridge
 E-Mail: Nathan.Trowbridge@eurofins.com

Carrier Tracking Note: [blank]
 State of Origin: [blank]

COC No: 810-23358-6571.1
 Page: Page 1 of 1
 Job #: [blank]

Due Date Requested: [blank]
 TAT Requested (days): [blank]
 Compliance Project: Yes No
 PO #: [blank]
 Purchase Order not required: Yes No
 WO #: [blank]

Analysis Requested: [blank]

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 M - Hexane
 N - None
 O - AsNaO2
 P - Na2SO4
 Q - Na2S2O3
 R - Na2SO3
 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 (Water, Solid, Overhead, Ur-Tissue, Air/Aq)	Field Filtered Sample (Yes or No)	Perform MS (Yes or No)	Total Number of Containers
GADSDEN - RW	8/3/25	0800	G	drinking Water	N	X	12
GADSDEN - FW	8/4/25	1100	G	drinking Water	N	X	14
TRIP BLANK				drinking Water			

Project # 81004291
 SOW# [blank]

533 - Lead Method
 method S37.1
 received not 532 8/20/25 - 215

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 [blank] Months

Relinquished by: [blank]
 Date: 8/1/25
 Time: 1:30
 Method of Shipment: [blank]

Relinquished by: [blank]
 Date/Time: 8/1/25 130
 Company: GamsB

Relinquished by: [blank]
 Date/Time: [blank]
 Company: [blank]

Custody Seals Intact: Yes No
 Custody Seal No: [blank]
 Cooler Temperature(s) °C and Other Remarks: [blank]

Temp. 12
 needed Temp. 14
 # 324
 - 8/20/25