

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

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

Generated 9/10/2025 3:47:38 PM

JOB DESCRIPTION

PFAS - GADSDEN

JOB NUMBER

810-162330-1

Case Narrative

Client: Gadsden Water Works
Project: PFAS - GADSDEN

Job ID: 810-162330-1

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Eurofins Eaton Analytical South Bend

Job Narrative 810-162330-1

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 9/3/2025 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 1.4°C.

PFAS

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



Client Sample Results

Client: Gadsden Water Works
Project/Site: PFAS - GADSDEN

Job ID: 810-162330-1

Client Sample ID: Gadsden-RW

Lab Sample ID: 810-162330-1

Date Collected: 09/01/25 20:18

Matrix: Drinking Water

Date Received: 09/03/25 09:00

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)	0.000049		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorohexanoic acid (PFHxA)	0.000034		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorooctanoic acid (PFOA)	0.000034		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorodecanoic acid (PFDA)	0.0000038		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorohexanesulfonic acid (PFHxS)	0.0000051		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorobutanesulfonic acid (PFBS)	0.00013		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluoroheptanoic acid (PFHpA)	0.000011		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorononanoic acid (PFNA)	0.0000039		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
11-Chloroheptafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 04:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	103		70 - 130			09/08/25 17:27	09/10/25 04:51	1
13C2 PFDA	93		70 - 130			09/08/25 17:27	09/10/25 04:51	1
13C3 HFPO-DA	99		70 - 130			09/08/25 17:27	09/10/25 04:51	1
d5-NEtFOSAA	103		70 - 130			09/08/25 17:27	09/10/25 04:51	1

Client Sample ID: Gadsden-FW

Lab Sample ID: 810-162330-2

Date Collected: 09/02/25 11:00

Matrix: Drinking Water

Date Received: 09/03/25 09:00

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)	0.0000086		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluorohexanoic acid (PFHxA)	0.000023		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluorooctanoic acid (PFOA)	0.000013		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluorodecanoic acid (PFDA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluorobutanesulfonic acid (PFBS)	0.000077		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluoroheptanoic acid (PFHpA)	0.0000058		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluorononanoic acid (PFNA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1

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Client Sample Results

Client: Gadsden Water Works
Project/Site: PFAS - GADSDEN

Job ID: 810-162330-1

Client Sample ID: Gadsden-FW

Lab Sample ID: 810-162330-2

Date Collected: 09/02/25 11:00

Matrix: Drinking Water

Date Received: 09/03/25 09:00

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		09/08/25 17:27	09/10/25 05:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
11-Chloroicosafafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		09/08/25 17:27	09/10/25 05:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	112		70 - 130			09/08/25 17:27	09/10/25 05:02	1
13C2 PFDA	94		70 - 130			09/08/25 17:27	09/10/25 05:02	1
13C3 HFPO-DA	103		70 - 130			09/08/25 17:27	09/10/25 05:02	1
d5-NEtFOSAA	99		70 - 130			09/08/25 17:27	09/10/25 05:02	1

Client Sample ID: FB

Lab Sample ID: 810-162330-3

Date Collected: 09/02/25 00:00

Matrix: Drinking Water

Date Received: 09/03/25 09:00

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)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluoroundecanoic acid (PFUnA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorohexanoic acid (PFHxA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorododecanoic acid (PFDoA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorooctanoic acid (PFOA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorodecanoic acid (PFDA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluoroheptanoic acid (PFHpA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorononanoic acid (PFNA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
11-Chloroicosafafluoro-3-oxaundecane-1-sulfonic acid	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000020		0.0000020	mg/L		09/09/25 00:18	09/09/25 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	101		70 - 130			09/09/25 00:18	09/09/25 22:51	1

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810-162330 Chain of Custody

Chain of Custody Record

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Environment Testing

Client Contact: Michael Brodsky Lab PM
 Phone: 256543-0884 E-Mail: Nathan.Trowbridge@eurofins.com
 Company: Gadsden Water Works FWSID
 Address: 515 Albert Rains Blvd TAT Requested (days):
 City: Gadsden
 State Zip: AL 35901
 Phone: Project # 81004291
 Email: mankford@gadsdenwater.org PFA# SSOW#
 Project Name: GADSDEN

Due Date Requested:
 Compliance Project: Yes No
 Purchase Order not required
 WO #:
 Date/Time: 9/1/2025 Date: 9/1/2025 Time: 1:30

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, Rain, etc.)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	Carrier Tracking No(s)	State of Origin	Page	Job #
<u>GADSDEN - RW</u>	<u>9/1</u>	<u>2018</u>	<u>G</u>	<u>drinking water</u>		<input checked="" type="checkbox"/>	<u>537.1_DW_PREC - PFC18</u>			810-49502-12932.1	
<u>GADSDEN - RW</u>	<u>9/2</u>	<u>1100</u>	<u>G</u>	<u>drinking water</u>		<input checked="" type="checkbox"/>				Page 1 of 1	
<u>TRIP BLANK</u>				<u>drinking water</u>		<input checked="" type="checkbox"/>					

Analysis Requested
 Preservation Codes: 1.8
 Turbidity 11
 Special Instructions/Note: 2025

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (Specify):
 Empty Kit Relinquished by: Michael B. to Cooper Date: 9/1/2025 Time: 1:30
 Relinquished by: Michael B. to Cooper Date/Time: 9/1/2025 Company: Cooper
 Relinquished by: Michael B. to Cooper Date/Time: 9/1/2025 Company: Cooper
 Relinquished by: Michael B. to Cooper Date/Time: 9/1/2025 Company: Cooper
 Custody Seals Intact: Yes No Custody Seal No.: 09120

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:
 Method of Shipment:
 Received by: Michael B. to Cooper Date/Time: 9/1/2025 Company: Cooper
 Received by: Michael B. to Cooper Date/Time: 9/1/2025 Company: Cooper
 Cooler Temperature(s) °C and Other Remarks: