



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 2/12/2025 7:56:23 AM

## JOB DESCRIPTION

PFAS

## JOB NUMBER

810-136774-1

# Case Narrative

Client: Gadsden Water Works  
Project: PFAS

Job ID: 810-136774-1

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**Eurofins Eaton Analytical South Bend**

## Job Narrative 810-136774-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 2/5/2025 10:00 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 0.0°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

Job ID: 810-136774-1

**Client Sample ID: GADSDEN - RW**

Date Collected: 02/03/25 19:00

Date Received: 02/05/25 10:00

**Lab Sample ID: 810-136774-1**

Matrix: Drinking Water

**Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	0.000037		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorohexanoic acid (PFHxA)	0.000035		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorooctanoic acid (PFOA)	0.000037		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorodecanoic acid (PFDA)	0.000029		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorohexanesulfonic acid (PFHxS)	0.000057		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorobutanesulfonic acid (PFBS)	0.00017		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluoroheptanoic acid (PFHpA)	0.000012		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorononanoic acid (PFNA)	0.000036		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C2 PFHxA	98		70 - 130			02/06/25 08:25	02/07/25 05:47	1
13C2 PFDA	100		70 - 130			02/06/25 08:25	02/07/25 05:47	1
13C3 HFPO-DA	92		70 - 130			02/06/25 08:25	02/07/25 05:47	1
d5-NEtFOSAA	97		70 - 130			02/06/25 08:25	02/07/25 05:47	1

**Client Sample ID: GADSDEN - FW**

Date Collected: 02/04/25 10:00

Date Received: 02/05/25 10:00

**Lab Sample ID: 810-136774-2**

Matrix: Drinking Water

**Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	0.000018		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluorohexanoic acid (PFHxA)	0.000028		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluorooctanoic acid (PFOA)	0.000024		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluorodecanoic acid (PFDA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluorohexanesulfonic acid (PFHxS)	0.000031		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluorobutanesulfonic acid (PFBS)	0.00012		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluoroheptanoic acid (PFHpA)	0.000090		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluorononanoic acid (PFNA)	0.000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1

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# Client Sample Results

Client: Gadsden Water Works  
Project/Site: PFAS

Job ID: 810-136774-1

**Client Sample ID: GADSDEN - FW**

**Lab Sample ID: 810-136774-2**

Date Collected: 02/04/25 10:00

Matrix: Drinking Water

Date Received: 02/05/25 10:00

**Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		02/06/25 08:25	02/07/25 05:58	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C2 PFHxA	102		70 - 130			02/06/25 08:25	02/07/25 05:58	1
13C2 PFDA	98		70 - 130			02/06/25 08:25	02/07/25 05:58	1
13C3 HFPO-DA	97		70 - 130			02/06/25 08:25	02/07/25 05:58	1
d5-NEtFOSAA	99		70 - 130			02/06/25 08:25	02/07/25 05:58	1

**Client Sample ID: FIELD BLANK**

**Lab Sample ID: 810-136774-3**

Date Collected: 02/04/25 10:00

Matrix: Drinking Water

Date Received: 02/05/25 10:00

**Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorohexanoic acid (PFHxA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorooctanoic acid (PFOA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorodecanoic acid (PFDA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorobutanesulfonic acid (PFBS)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluoroheptanoic acid (PFHpA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorononanoic acid (PFNA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		02/10/25 08:02	02/11/25 06:21	1

810-136774 Chain of Custody



Bend

Chain of Custody Record

Cross Offs on COC by Client

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Sample ID: **MICHAEL BROOKINS** Lab PM: **Nathan Trowbridge, Nathan** Carrier Tracking No(s): **810-32157-10392 1**  
 Phone: **2562543-2884** E-Mail: **Nathan.Trowbridge@et.eurofinsus.com** State of Origin: **AL** Page: **Page 1 of 1**  
 Company: **Gadsden Water Works** PWSID: **2562543-2884** Job #: **810-32157-10392 1**  
 Address: **515 Albert Rains Blvd** Due Date Requested: **2/14/05**

City: **Gadsden** TAT Requested (days): **1** Analysis Requested: **Field Filtered Sample (Yes or No)**  
 State, Zip: **AL, 35901** Compliance Project: **Δ Yes Δ No** Perform MS/MSD (Yes or No)  
 Phone: **PO #:** **Purchase Order not required** WQ #: **537.1\_DW\_PREC - PFC18**  
 Email: **mblankford@gadsdenwater.org** Project #: **81004291** SSSDW#: **SSDW#**

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Solid, O=Other)	Preservation Code	Total Number of containers	Special Instructions/Note
① GADSDEN - RW	2/13	1900	G	drinking Water	NY	2	No date time on bottles
② GADSDEN - RW	2/14	1000	G	drinking Water	NY	2	No info on bottles
③ Field BLANK				drinking Water			ppw 021051005

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested:  I, II, III, IV, Other (Specify)  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Empty Kit Relinquished by: **2/14/05** Date: **2/14/05** Time: **1000** Method of Shipment: **ppw 021051005**  
 Relinquished by: **BRookins to Cooler** Date/Time: **2/14/05** Company: **Gadsden** Received by: **Ramy P... 021051005** Date/Time: **1000** Company: **ETASB**

Relinquished by: **BRookins to Cooler** Date/Time: **2/14/05** Company: **Gadsden** Received by: **Ramy P... 021051005** Date/Time: **1000** Company: **ETASB**  
 Relinquished by: **BRookins to Cooler** Date/Time: **2/14/05** Company: **Gadsden** Received by: **Ramy P... 021051005** Date/Time: **1000** Company: **ETASB**  
 Custody Scale Initial: **Δ Yes Δ No** Custody Seal No: \_\_\_\_\_