

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

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

Generated 10/13/2025 8:09:52 AM

JOB DESCRIPTION

PFAS

JOB NUMBER

810-166358-1

Case Narrative

Client: Gadsden Water Works
Project: PFAS

Job ID: 810-166358-1

Job ID: 810-166358-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-166358-1

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 10/3/2025 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 1.3°C.

PFAS

Method 537.1_DW_PREC: Surrogate recovery for the field duplicate (DU) associated with sample Gadsden - FW (810-166358-2) in analytical batch 810-163380 was outside of method 537.1 requirements. d5-NEtFOSAA recovered at 69%. Limits 70-130%. Re-extraction could not be performed due to no remaining sample volume.

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: 810-166358-1

Client Sample ID: Gadsden - RW

Lab Sample ID: 810-166358-1

Date Collected: 10/01/25 20:20

Matrix: Drinking Water

Date Received: 10/03/25 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)	0.000055		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluoroundecanoic acid (PFUnA)	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorohexanoic acid (PFHxA)	0.000041		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorododecanoic acid (PFDoA)	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorooctanoic acid (PFOA)	0.000039		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorodecanoic acid (PFDA)	0.000046		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorohexanesulfonic acid (PFHxS)	0.000057		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorobutanesulfonic acid (PFBS)	0.00016		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluoroheptanoic acid (PFHpA)	0.000013		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorononanoic acid (PFNA)	0.000044		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorotetradecanoic acid (PFTeDA)	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Perfluorotridecanoic acid (PFTrDA)	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
11-Chloroheptafluoro-3-oxaundecane-1-sulfonic acid	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.000020		0.000020	mg/L		10/07/25 10:44	10/08/25 04:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	92		70 - 130			10/07/25 10:44	10/08/25 04:19	1
13C2 PFDA	94		70 - 130			10/07/25 10:44	10/08/25 04:19	1
13C3 HFPO-DA	88		70 - 130			10/07/25 10:44	10/08/25 04:19	1
d5-NEtFOSAA	101		70 - 130			10/07/25 10:44	10/08/25 04:19	1

Client Sample ID: Gadsden - FW

Lab Sample ID: 810-166358-2

Date Collected: 10/02/25 11:00

Matrix: Drinking Water

Date Received: 10/03/25 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)	0.000015		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluoroundecanoic acid (PFUnA)	<0.000019		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluorohexanoic acid (PFHxA)	0.000027		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluorododecanoic acid (PFDoA)	<0.000019		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluorooctanoic acid (PFOA)	0.000018		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluorodecanoic acid (PFDA)	<0.000019		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluorohexanesulfonic acid (PFHxS)	0.000022		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluorobutanesulfonic acid (PFBS)	0.00010		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluoroheptanoic acid (PFHpA)	0.000072		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluorononanoic acid (PFNA)	<0.000019		0.000019	mg/L		10/06/25 07:14	10/06/25 21:25	1

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: Gadsden Water Works
Project/Site: PFAS

Job ID: 810-166358-1

Client Sample ID: Gadsden - FW

Date Collected: 10/02/25 11:00

Date Received: 10/03/25 09:15

Lab Sample ID: 810-166358-2

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		10/06/25 07:14	10/06/25 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	96		70 - 130			10/06/25 07:14	10/06/25 21:25	1
13C2 PFDA	96		70 - 130			10/06/25 07:14	10/06/25 21:25	1
13C3 HFPO-DA	89		70 - 130			10/06/25 07:14	10/06/25 21:25	1
d5-NEtFOSAA	85		70 - 130			10/06/25 07:14	10/06/25 21:25	1

Client Sample ID: Trip Blank

Date Collected: 10/02/25 11:00

Date Received: 10/03/25 09:15

Lab Sample ID: 810-166358-3

Matrix: Drinking Water

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		10/07/25 16:06	10/09/25 06:30	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorohexanoic acid (PFHxA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorooctanoic acid (PFOA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorodecanoic acid (PFDA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorobutanesulfonic acid (PFBS)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluoroheptanoic acid (PFHpA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorononanoic acid (PFNA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		10/07/25 16:06	10/09/25 06:30	1

Eurofins Eaton Analytical South Bend



810-166358 Chain of Custody

Chain of Custody Record

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Environment Testing

Sampler: **MR HAEL BROOKINS** Lab PM: **Trowbridge, Nathan** Carrier Tracking No(s): **810-60656-12932-1** COC No: **810-60656-12932-1**

Phone: **(256) 543-2884** E-Mail: **Nathan.Trowbridge@et.eurofins.com** State of Origin: **Alabama** Page: **Page 1 of 1**

Company: **Gadsden Water Works** PWSID: **10103** Job #:

Address: **515 Albert Rains Blvd** Due Date Requested: **10/12/2024** Analysis Requested: **Y** Preservation Codes: **Y - Trizma**

City: **Gadsden** TAT Requested (days): **3**

State, Zip: **AL 35901** Compliance Project: **Yes**

Phone: **81004291** PO #: **81004291** Purchase Order: **not required**

Email: **mlankford@gadsdenwater.org** WO #: **81004291**

Project Name: **PFAS** Project #: **81004291**

Site: **GADSDEN** SSOV#: **81004291**

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, etc.)	Field Filtered Sample (Yes or No)	Perform M... (Yes or No)	637.1_DW_PREC - PFC18	Total Number of containers	Special Instructions/Note:
GADSDEN - RW	10/12/2024	10:00	5	drinking water	Y	Y	Y	1	No info in bottles
GADSDEN - RW	10/12/2024	10:00	5	drinking water	Y	Y	Y	1	No info in bottles
TRIP BLANK	10/12/2024	11:00	5	drinking water	Y	Y	Y	1	No info in bottles
<i>precipitant per Nathan Trowbridge</i>									
<i>ppw 10/10/2024</i>									

Possible Hazard Identification

Non-Hazard Flammable Corrosive Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify): _____

Empty Kit Relinquished by: _____ Date: **10/12/2024** Time: **11:30** Method of Shipment: _____

Relinquished by: **HAEL BROOKINS** Date/Time: **10/12/2024** Company: **EUROFINS**

Relinquished by: **HAEL BROOKINS** Date/Time: **10/12/2024** Company: **EUROFINS**

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: **Yes** Custody Seal No.: _____

Cooler Temperature(s) °C and Other Remarks: _____