

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

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

Generated 4/13/2026 3:43:40 PM

**JOB DESCRIPTION**

PFAS

**JOB NUMBER**

810-186724-1

# Case Narrative

Client: Gadsden Water Works  
Project: PFAS

Job ID: 810-186724-1

**Job ID: 810-186724-1**

**Eurofins South Bend**

## Job Narrative 810-186724-1

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 4/7/2026 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.

Eurofins South Bend



# Client Sample Results

Client: Gadsden Water Works  
Project/Site: PFAS

Job ID: 810-186724-1

**Client Sample ID: GADSDEN-RW**

**Lab Sample ID: 810-186724-1**

Date Collected: 04/05/26 22:00

Matrix: Drinking Water

Date Received: 04/07/26 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
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.000037</b>		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
Perfluoroundecanoic acid (PFUnA)	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.000029</b>		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
Perfluorododecanoic acid (PFDoA)	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>0.000030</b>		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>0.000032</b>		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.000043</b>		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.00012</b>		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.000011</b>		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>0.000036</b>		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
Perfluorotetradecanoic acid (PFTeDA)	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
Perfluorotridecanoic acid (PFTrDA)	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
11-Chloroeicosadecafluoro-3-oxaundecane-1-sulfonic acid	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.000020		0.000020	mg/L		04/08/26 07:38	04/09/26 00:27	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	92		70 - 130			04/08/26 07:38	04/09/26 00:27	1
13C2 PFDA	103		70 - 130			04/08/26 07:38	04/09/26 00:27	1
13C3 HFPO-DA	97		70 - 130			04/08/26 07:38	04/09/26 00:27	1
d5-NEtFOSAA	98		70 - 130			04/08/26 07:38	04/09/26 00:27	1

**Client Sample ID: GADSDEN-FW**

**Lab Sample ID: 810-186724-2**

Date Collected: 04/06/26 11:00

Matrix: Drinking Water

Date Received: 04/07/26 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)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluoroundecanoic acid (PFUnA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluorohexanoic acid (PFHxA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluorododecanoic acid (PFDoA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluorooctanoic acid (PFOA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluorodecanoic acid (PFDA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.000023</b>		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluoroheptanoic acid (PFHpA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluorononanoic acid (PFNA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluorotetradecanoic acid (PFTeDA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Perfluorotridecanoic acid (PFTrDA)	<0.000019		0.000019	mg/L		04/08/26 08:22	04/08/26 23:14	1

Eurofins South Bend

# Client Sample Results

Client: Gadsden Water Works  
Project/Site: PFAS

Job ID: 810-186724-1

**Client Sample ID: GADSDEN-FW**

**Lab Sample ID: 810-186724-2**

Date Collected: 04/06/26 11:00

Matrix: Drinking Water

Date Received: 04/07/26 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
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		04/08/26 08:22	04/08/26 23:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	95		70 - 130			04/08/26 08:22	04/08/26 23:14	1
13C2 PFDA	91		70 - 130			04/08/26 08:22	04/08/26 23:14	1
13C3 HFPO-DA	81		70 - 130			04/08/26 08:22	04/08/26 23:14	1
d5-NEtFOSAA	96		70 - 130			04/08/26 08:22	04/08/26 23:14	1

**Client Sample ID: FTB**

**Lab Sample ID: 810-186724-3**

Date Collected: 04/05/26 00:00

Matrix: Drinking Water

Date Received: 04/07/26 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)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorohexanoic acid (PFHxA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorooctanoic acid (PFOA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorodecanoic acid (PFDA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorobutanesulfonic acid (PFBS)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluoroheptanoic acid (PFHpA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorononanoic acid (PFNA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Perfluorotridecanoic acid (PFTTrDA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		04/09/26 17:20	04/10/26 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	106		70 - 130			04/09/26 17:20	04/10/26 22:48	1
13C2 PFDA	104		70 - 130			04/09/26 17:20	04/10/26 22:48	1

Eurofins South Bend

Chain of Custody Record



<b>Client Information</b>		Sampler: <b>MICHAEL BROOKINS</b>		Lab Pkt. #		COC No.:	
Client Contact: Mike Lankford		Phone: (356) 543-0884		Towbridge, Nathan		810-63865-12932.1	
Company: Gadsden Water Works		PWSID:		Email: Nathan.Towbridge@el.eurofinsus.com		Page: Page 1 of 1	
Address: 515 Albert Rains Blvd		Due Date Requested:		Carrier Tracking No(s)		Job #:	
City: Gadsden		TAT Requested (days):		State of Origin:		Preservation Codes: Y - Trzma	
State, Zip: AL, 35901		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Analysis Requested		Initial Temp: 1.6	
Phone:		Purchase Order not required		Field Filtered Sample (Yes or No)		Corrected Temp: 1.4	
Email: mlankford@gadsdenwater.org		PO #		Perf. MS/MSD (Y or No)		IR Gun #: 95	
Project Name: PEAS		Project #		537.1_DW_PREC - PFC18		Other:	
Site: GADSDEN		SSOW#:		Total Number of containers		Turbidity 11	
Sample Identification		Sample Date		Sample Time		Special Instructions/Note:	
GADSDEN - RW		4/5/26 2200		G		PFAS Preservation Lot #	
GADSDEN - EW		4/6/26 1100		G		Verified to Match	
TRIP BLANK							
810-186724 Chain of Custody							
Possible Hazard Identification		Sample Type (C=Comp, G=grab)		Matrix (Water, Sealed, Overstool, Bottom, Jaki, Dry-Stripping, Water)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Date: 4/6/26		Time: 1100		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date/Time: 4/16/26		Company: GWSB		Method of Shipment:	
Relinquished by: M. BROOKINS TO COOLER		Date/Time:		Company:		Received by: KD	
Relinquished by:		Date/Time:		Company:		Received by: WLS	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: WLS		Date/Time: 04-07-2026	
						Company: GWSB	