

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

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

Generated 7/11/2025 7:59:36 AM

**JOB DESCRIPTION**

Gadsden

**JOB NUMBER**

810-154440-1

# Case Narrative

Client: Gadsden Water Works  
Project: Gadsden

Job ID: 810-154440-1

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**Eurofins Eaton Analytical South Bend**

## Job Narrative 810-154440-1

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 7/3/2025 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 2.4°C.

### PFAS

Method 537.1\_DW\_PREC: <PM contact with client required>

Affected Items: Gadsden\_RW (810-154440-1)

Method 537.1\_DW\_PREC: Analyte percent recovery in the matrix spike (MS) of sample Gadsden\_RW (810-154440-1) was outside of method 537.1 acceptance limits for one compound. Perfluorotetradecanoic acid (PFTeDA) had a percent recovery of 65%. Limits 70-130%.

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: Gadsden

Job ID: 810-154440-1

**Client Sample ID: Gadsden\_RW**

**Lab Sample ID: 810-154440-1**

Date Collected: 07/01/25 20:17

Matrix: Drinking Water

Date Received: 07/03/25 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
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.000056</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
Perfluoroundecanoic acid (PFUnA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.000026</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
Perfluorododecanoic acid (PFDoA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>0.000035</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>0.000050</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.000048</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.00012</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.000011</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>0.000044</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
Perfluorotetradecanoic acid (PFTeDA)	<0.000019	F1	0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
Perfluorotridecanoic acid (PFTrDA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
11-Chloroicosadecafluoro-3-oxaundecane-1-sulfonic acid	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 20:00	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	91		70 - 130			07/07/25 04:59	07/07/25 20:00	1
13C2 PFDA	99		70 - 130			07/07/25 04:59	07/07/25 20:00	1
13C3 HFPO-DA	91		70 - 130			07/07/25 04:59	07/07/25 20:00	1
d5-NEtFOSAA	100		70 - 130			07/07/25 04:59	07/07/25 20:00	1

**Client Sample ID: Gadsden-FW**

**Lab Sample ID: 810-154440-2**

Date Collected: 07/02/25 10:00

Matrix: Drinking Water

Date Received: 07/03/25 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
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.000043</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
Perfluoroundecanoic acid (PFUnA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.000082</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
Perfluorododecanoic acid (PFDoA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>0.000056</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
Perfluorodecanoic acid (PFDA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
Perfluorohexanesulfonic acid (PFHxS)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.000032</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.000023</b>		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
Perfluorononanoic acid (PFNA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
Perfluorotetradecanoic acid (PFTeDA)	<0.000019		0.000019	mg/L		07/07/25 04:59	07/07/25 23:54	1

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# Client Sample Results

Client: Gadsden Water Works  
Project/Site: Gadsden

Job ID: 810-154440-1

**Client Sample ID: Gadsden-FW**

**Date Collected: 07/02/25 10:00**

**Date Received: 07/03/25 09:15**

**Lab Sample ID: 810-154440-2**

**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
Perfluorotridecanoic acid (PFTTrDA)	<0.0000019		0.0000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		07/07/25 04:59	07/07/25 23:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		07/07/25 04:59	07/07/25 23:54	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	99		70 - 130			07/07/25 04:59	07/07/25 23:54	1
13C2 PFDA	105		70 - 130			07/07/25 04:59	07/07/25 23:54	1
13C3 HFPO-DA	104		70 - 130			07/07/25 04:59	07/07/25 23:54	1
d5-NEtFOSAA	101		70 - 130			07/07/25 04:59	07/07/25 23:54	1

**Client Sample ID: FB**

**Date Collected: 07/02/25 00:00**

**Date Received: 07/03/25 09:15**

**Lab Sample ID: 810-154440-3**

**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		07/08/25 23:00	07/09/25 22:27	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorohexanoic acid (PFHxA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorooctanoic acid (PFOA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorodecanoic acid (PFDA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluoroheptanoic acid (PFHpA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorononanoic acid (PFNA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Perfluorotridecanoic acid (PFTTrDA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		07/08/25 23:00	07/09/25 22:27	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	106		70 - 130			07/08/25 23:00	07/09/25 22:27	1

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