

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

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

Generated 8/22/2023 8:10:35 AM

**JOB DESCRIPTION**

PFAS

**JOB NUMBER**

810-72465-1

# Case Narrative

Client: Gadsden Water Works  
Project/Site: PFAS

Job ID: 810-72465-1

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### Laboratory: Eurofins Eaton Analytical South Bend

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#### Narrative

#### Job Narrative 810-72465-1

#### Receipt

The samples were received on 8/3/2023 9:45 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 0.8°C

#### Receipt Exceptions

Method 533 listed on the COC - received method 537.1 bottles. Logged in as 537.1

GADSDEN-RW (810-72465-1) and GADSDEN-FW (810-72465-2)

#### 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: 810-72465-1

**Client Sample ID: GADSDEN-RW**

**Lab Sample ID: 810-72465-1**

Date Collected: 08/01/23 20:15

Matrix: Drinking Water

Date Received: 08/03/23 09:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.000044</b>		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.000028</b>		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>0.000032</b>		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>0.0000041</b>		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.0000039</b>		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.000096</b>		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.000011</b>		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>0.0000031</b>		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
Perfluorotetradecanoic acid (PFTeDA)	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.000019	mg/L		08/15/23 08:41	08/16/23 23:07	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			08/15/23 08:41	08/16/23 23:07	1
13C2 PFDA	94		70 - 130			08/15/23 08:41	08/16/23 23:07	1
13C3 HFPO-DA	86		70 - 130			08/15/23 08:41	08/16/23 23:07	1
d5-NEtFOSAA	93		70 - 130			08/15/23 08:41	08/16/23 23:07	1

**Client Sample ID: GADSDEN-FW**

**Lab Sample ID: 810-72465-2**

Date Collected: 08/02/23 11:00

Matrix: Drinking Water

Date Received: 08/03/23 09:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.000029</b>		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
Perfluoroundecanoic acid (PFUnA)	<0.0000019		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.000036</b>		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
Perfluorododecanoic acid (PFDoA)	<0.0000019		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>0.000035</b>		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>0.0000026</b>		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.0000039</b>		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.00013</b>		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.000015</b>		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>0.0000028</b>		0.000019	mg/L		08/14/23 08:31	08/15/23 03:52	1

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# Client Sample Results

Client: Gadsden Water Works  
 Project/Site: PFAS

Job ID: 810-72465-1

**Client Sample ID: GADSDEN-FW**

**Lab Sample ID: 810-72465-2**

Date Collected: 08/02/23 11:00

Matrix: Drinking Water

Date Received: 08/03/23 09:45

**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		08/14/23 08:31	08/15/23 03:52	1
Perfluorotridecanoic acid (PFTrDA)	<0.0000019		0.0000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0000019		0.0000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0000019		0.0000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0000019		0.0000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0000019		0.0000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0000019		0.0000019	mg/L		08/14/23 08:31	08/15/23 03:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA	100		70 - 130			08/14/23 08:31	08/15/23 03:52	1
13C2 PFDA	100		70 - 130			08/14/23 08:31	08/15/23 03:52	1
13C3 HFPO-DA	104		70 - 130			08/14/23 08:31	08/15/23 03:52	1
d5-NEtFOSAA	97		70 - 130			08/14/23 08:31	08/15/23 03:52	1

**Chain of Custody Record**



C No  
 0-23354-6571.1

eurofins

810-72465 Chain of Custody

Sampler: **HTZHAEL BROOKINS**  
 Lab PM: Nathan Towbridge, Nathan  
 Phone: **(256) 543-2884**  
 E-Mail: Nathan.Towbridge@et.eurofins.com

Client Information  
 Client Contact: Mike Lankford  
 Company: Gadsden Water Works

Address: 515 Albert Rains Blvd  
 City: Gadsden  
 State: AL, Zip: 35901  
 Phone: [blank]  
 Email: mlankford@gadsdenwater.org  
 Project Name: PFAS  
 Site: **GADSDEN**

Due Date Requested: [blank]  
 TAT Requested (days): [blank]  
 Compliance Project:  Yes  No  
 PO #: [blank]  
 Purchase Order not required:  Yes  No  
 WO #: [blank]  
 Project #: 81004291  
 SSO#: [blank]

Analysis Requested  
 Field Filtered Sample (Yes or No)  No  
 Perform MS/MSD (Yes or No)  No  
 533 - Local Method  No

Page 1 of 1  
 Job #: [blank]  
 Preservation Codes:  
 A - HCl M - Hexane  
 B - NaOH N - None  
 C - Zn Acetate O - AsNaO2  
 D - Nitric Acid P - Na2O4S  
 E - NaHSO4 Q - Na2SO3  
 F - MeOH R - Na2S2O3  
 G - Anchlor S - H2SO4  
 H - Ascorbic Acid T - TSP Dodecahydrate  
 I - Ipa U - Asolone  
 J - DI Water V - MCAA  
 K - EDTA W - pH 4.5  
 L - EDA Y - Trizma  
 Z - other (specify)  
 Other: [blank]

Sample Identification	Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (W=water, S=solid, O=organic, A=air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
<b>GADSDEN - RW</b>	<b>8/1/23</b>	<b>2015</b>	<b>G</b>	Drinking Water		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No		<b>Received 1537 bottles.</b>
<b>GADSDEN - FW</b>	<b>8/2/23</b>	<b>1100</b>	<b>G</b>	Drinking Water		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No		<b>RF 8.3.23</b>
				Drinking Water					
				Drinking Water					
				Drinking Water					
				Drinking Water					

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested I, II, III, IV, Other (specify) \_\_\_\_\_  
 Special Instructions/QC Requirements: \_\_\_\_\_

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: **M. BROOKINS to COOLER** Date/Time: **8/2/23 1300** Company: **GruwsB**  
 Received by: **[Signature]** Date/Time: **08/03/23 0945** Company: \_\_\_\_\_

Custody Seats Intact:  Yes  No  
 Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_