

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/11/2023 7:38:57 AM

JOB DESCRIPTION

PFAS-533

JOB NUMBER

810-53898-1

Case Narrative

Client: Gadsden Water Works
Project/Site: PFAS-533

Job ID: 810-53898-1

Job ID: 810-53898-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

Job Narrative
810-53898-1

Receipt

The samples were received on 2/16/2023 10:15 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 3.2°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-533

Job ID: 810-53898-1

Client Sample ID: Gadsden-RW

Lab Sample ID: 810-53898-1

Date Collected: 02/14/23 20:25

Matrix: Drinking Water

Date Received: 02/16/23 10:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Perfluorobutanoic acid (PFBA)	15		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluoropentanoic acid (PFPeA)	44		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluorohexanoic acid (PFHxA)	27		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluoroheptanoic acid (PFHpA)	9.1		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluorooctanoic acid (PFOA)	25		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluorononanoic acid (PFNA)	2.8		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluorodecanoic acid (PFDA)	3.3		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluorododecanoic acid (PFDoA)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluorobutanesulfonic acid (PFBS)	110		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluorohexanesulfonic acid (PFHxS)	3.6		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluorooctanesulfonic acid (PFOS)	37		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<1.9		1.9	ng/L		03/13/23 06:50	03/16/23 23:22	1	
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
13C4 PFBA	87		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C5 PFPeA	95		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C5 PFHxA	82		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C4 PFHpA	82		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C8 PFOA	80		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C9 PFNA	79		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C6 PFDA	73		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C7 PFUnA	66		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C2 PFDoA	58		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C3 HFPO-DA	87		50 - 200			03/13/23 06:50	03/16/23 23:22	1	
13C3 PFBS	87		50 - 200			03/13/23 06:50	03/16/23 23:22	1	

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: Gadsden Water Works
Project/Site: PFAS-533

Job ID: 810-53898-1

Client Sample ID: Gadsden-RW

Lab Sample ID: 810-53898-1

Date Collected: 02/14/23 20:25

Matrix: Drinking Water

Date Received: 02/16/23 10:15

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	85		50 - 200	03/13/23 06:50	03/16/23 23:22	1
13C2-4:2-FTS	91		50 - 200	03/13/23 06:50	03/16/23 23:22	1
13C2-6:2-FTS	93		50 - 200	03/13/23 06:50	03/16/23 23:22	1
13C2-8:2-FTS	85		50 - 200	03/13/23 06:50	03/16/23 23:22	1
13C3 PFHxS	89		50 - 200	03/13/23 06:50	03/16/23 23:22	1

Client Sample ID: Gadsden-FW

Lab Sample ID: 810-53898-2

Date Collected: 02/15/23 11:00

Matrix: Drinking Water

Date Received: 02/16/23 10:15

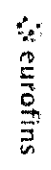
Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluoropentanoic acid (PFPeA)	41		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluorohexanoic acid (PFHxA)	24		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluoroheptanoic acid (PFHpA)	7.1		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluorooctanoic acid (PFOA)	18		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluorononanoic acid (PFNA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluorodecanoic acid (PFDA)	1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluorobutanesulfonic acid (PFBS)	94		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluorohexanesulfonic acid (PFHxS)	2.5		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluorooctanesulfonic acid (PFOS)	23		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<1.9		1.9	ng/L		03/13/23 06:51	03/16/23 21:32	1

Eurofins Eaton Analytical South Bend



Chain of Custody Record



810-538898 Chain of Custody

Sampler: BROOKINGS
Phone: (256) 543-2884

Lab PM: Trowbridge, Nathan
E-Mail: Nathan.Trowbridge@et.eurofins.com

Carrier Tracking No(s):
State of Origin:

COO No: 810-16701-5449-1
Page 1 of 1

Company: Gadsden Water Works
Address: 515 Albert Rains Blvd
City: Gadsden
State, Zip: AL, 35901
Phone: [blank]
Email: mlankford@gadsdenwater.org
Project Name: PFAS-533
Site: GADSDEN

Due Date Requested:
TAT Requested (days):
Compliance Project: Yes No
Purchase Order not required
PO #:
WQ #:

Project #: 81004291
SSOW#: [blank]

Sample Identification

GADSDEN - RW
GADSDEN - FUD

Sample Date: 2/14/2025
2/15/2025 1100

Sample Type: G
Matrix: [blank]
Preservation Code: [blank]

Field Filtered Sample (Yes or No):
N

533 - Local Method

Total Number of Containers: 2
Special Instructions/Note: To 10:00 AM 15

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
Derivable Requested: I, II, III, IV, Other (Specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by: Brooks to Epler

Date/Time: 2/15/23 1100

Company: Gadsden

Received by: [signature]

Date/Time: 2/16/23 10:15

Company: [blank]

Custody Seals Intact: Yes No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: