

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/7/2023 8:16:06 AM

JOB DESCRIPTION

PFAS

JOB NUMBER

810-59587-1

Case Narrative

Client: Gadsden Water Works
Project/Site: PFAS

Job ID: 810-59587-1

Job ID: 810-59587-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

**Job Narrative
810-59587-1**

Receipt

The samples were received on 4/13/2023 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 1.2°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

Job ID: 810-59587-1

Client Sample ID: Gadsden - RW

Lab Sample ID: 810-59587-1

Date Collected: 04/11/23 20:37

Matrix: Drinking Water

Date Received: 04/13/23 09:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluoropentanoic acid (PFPeA)	33		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluorohexanoic acid (PFHxA)	20		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluoroheptanoic acid (PFHpA)	7.6		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluorooctanoic acid (PFOA)	21		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluorononanoic acid (PFNA)	2.2		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluorodecanoic acid (PFDA)	2.3		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluorobutanesulfonic acid (PFBS)	83		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluorohexanesulfonic acid (PFHxS)	3.1		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluorooctanesulfonic acid (PFOS)	27		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0	ng/L		05/09/23 06:11	05/10/23 18:13	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C4 PFBA	91		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C5 PFPeA	91		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C5 PFHxA	82		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C4 PFHpA	83		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C8 PFOA	82		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C9 PFNA	79		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C6 PFDA	76		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C7 PFUnA	75		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C2 PFDoA	76		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C3 HFPO-DA	82		50 - 200			05/09/23 06:11	05/10/23 18:13	1
13C3 PFBS	94		50 - 200			05/09/23 06:11	05/10/23 18:13	1

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Client Sample Results

Client: Gadsden Water Works
Project/Site: PFAS

Job ID: 810-59587-1

Client Sample ID: Gadsden - RW

Lab Sample ID: 810-59587-1

Date Collected: 04/11/23 20:37

Matrix: Drinking Water

Date Received: 04/13/23 09:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	93		50 - 200	05/09/23 06:11	05/10/23 18:13	1
13C2-4:2-FTS	106		50 - 200	05/09/23 06:11	05/10/23 18:13	1
13C2-6:2-FTS	104		50 - 200	05/09/23 06:11	05/10/23 18:13	1
13C2-8:2-FTS	102		50 - 200	05/09/23 06:11	05/10/23 18:13	1
13C3 PFHxS	96		50 - 200	05/09/23 06:11	05/10/23 18:13	1

Client Sample ID: Gadsden - FW

Lab Sample ID: 810-59587-2

Date Collected: 04/12/23 11:00

Matrix: Drinking Water

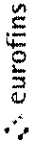
Date Received: 04/13/23 09:00


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		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluoropentanoic acid (PFPeA)	38		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluorohexanoic acid (PFHxA)	23		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluoroheptanoic acid (PFHpA)	7.7		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluorooctanoic acid (PFOA)	19		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluorobutanesulfonic acid (PFBS)	93		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluorohexanesulfonic acid (PFHxS)	2.5		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluorooctanesulfonic acid (PFOS)	22		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0	ng/L		05/09/23 06:54	05/11/23 02:19	1

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Chain of Custody Record



Client Information Client Contact: Mike Lankford Company: Gadsden Water Works Address: 515 Albert Rains Blvd City: Gadsden State: AL, Zip: 35901 Phone:		Sampler: Michael Brooks Lab PM: Trowbridge, Nathan Phone: 12567543-8881 E-Mail: Nathan.Trowbridge@et.eurofinsus.com State of Origin:		COC No: 810-23346-6571.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: Purchase Order not required WO #:		Analysis Requested  810-59587 Chain of Custody		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Project #: 81004291 SSOW#:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 533 - Local Method <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Total Number of Containers:	
Sample Identification GADSDEN - RW GADSDEN - FW POST SOURCE - FEED WATER DESALTEC - PERMEATE WIGEN - PERMEATE		Sample Date 4/11/23 4/12/23 4/12/23		Sample Time 2037 1100 1130	
Matrix (W=Water, S=Soil, O=Other, A=Air, L=Liquid) Drinking Water Drinking Water Drinking Water Drinking Water Drinking Water Drinking Water		Preservation Code N N N N N N		Special Instructions/Note: 7 per bottle Desaltec and Wigen samples date is 4/12/23 and sample time is 000000 KAW 04/13/23	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date:		Method of Shipment:	
Relinquished by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks:		Ver: 06/08/2021	