

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/9/2023 9:22:33 AM

JOB DESCRIPTION

PFAS-533

JOB NUMBER

810-49612-1

Case Narrative

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

Job ID: 810-49612-1

Job ID: 810-49612-1

Laboratory: Eurofins Eaton South Bend

Narrative

**Job Narrative
810-49612-1**

Receipt

The samples were received on 1/10/2023 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 1.4°C

PFAS

Method 533: The following sample(s): 810-49612-1 was found to be dirty before extraction and were decanted to remove as much dirt as possible.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

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

Job ID: 810-49612-1

Client Sample ID: GWWSB - RW

Lab Sample ID: 810-49612-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	17		1.9	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	47		1.9	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	27		1.9	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	10		1.9	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	28		1.9	ng/L	1		533	Total/NA
Perfluorononanoic acid (PFNA)	3.2		1.9	ng/L	1		533	Total/NA
Perfluorodecanoic acid (PFDA)	4.2		1.9	ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	140		1.9	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.9	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	41		1.9	ng/L	1		533	Total/NA

Client Sample ID: GWWSB - FW

Lab Sample ID: 810-49612-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	17		1.9	ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	46		1.9	ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	23		1.9	ng/L	1		533	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.8		1.9	ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	19		1.9	ng/L	1		533	Total/NA
Perfluorodecanoic acid (PFDA)	2.0		1.9	ng/L	1		533	Total/NA
Perfluorobutanesulfonic acid (PFBS)	100		1.9	ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.9	ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	23		1.9	ng/L	1		533	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 810-49612-1

Client Sample ID: GWWSB - RW

Lab Sample ID: 810-49612-1

Date Collected: 01/08/23 20:24

Matrix: Drinking Water

Date Received: 01/10/23 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)	17		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluoropentanoic acid (PFPeA)	47		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluorohexanoic acid (PFHxA)	27		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluoroheptanoic acid (PFHpA)	10		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluorooctanoic acid (PFOA)	28		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluorononanoic acid (PFNA)	3.2		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluorodecanoic acid (PFDA)	4.2		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluorobutanesulfonic acid (PFBS)	140		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluorooctanesulfonic acid (PFOS)	41		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C5 PFPeA	109		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C5 PFHxA	85		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C4 PFHpA	86		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C8 PFOA	85		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C9 PFNA	79		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C6 PFDA	74		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C7 PFUnA	70		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C2 PFDoA	66		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C3 HFPO-DA	77		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C3 PFBS	96		50 - 200	01/30/23 06:54	01/30/23 23:07	1

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Client Sample Results

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

Job ID: 810-49612-1

Client Sample ID: GWWSB - RW

Lab Sample ID: 810-49612-1

Date Collected: 01/08/23 20:24

Matrix: Drinking Water

Date Received: 01/10/23 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	88		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C2-4:2-FTS	104		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C2-6:2-FTS	97		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C2-8:2-FTS	85		50 - 200	01/30/23 06:54	01/30/23 23:07	1
13C3 PFHxS	95		50 - 200	01/30/23 06:54	01/30/23 23:07	1

Client Sample ID: GWWSB - FW

Lab Sample ID: 810-49612-2

Date Collected: 01/09/23 11:00

Matrix: Drinking Water

Date Received: 01/10/23 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)	17		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluoropentanoic acid (PFPeA)	46		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluorohexanoic acid (PFHxA)	23		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluoroheptanoic acid (PFHpA)	7.8		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluorooctanoic acid (PFOA)	19		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluorononanoic acid (PFNA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluorodecanoic acid (PFDA)	2.0		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluoroundecanoic acid (PFUnA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluorododecanoic acid (PFDoA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluorobutanesulfonic acid (PFBS)	100		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluoropentanesulfonic acid (PFPeS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluorooctanesulfonic acid (PFOS)	23		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<1.9		1.9	ng/L		01/30/23 06:54	01/30/23 23:20	1

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