

Client Sample Results

Client: Erie Water Works
Project/Site: UCMR5

Job ID: 810-54197-1

Client Sample ID: 90001/Chestnut Plant EP

Lab Sample ID: 810-54197-1

Date Collected: 02/20/23 08:00

Matrix: Drinking Water

Date Received: 02/21/23 09:00

PWSID Number: PA6250028

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.0050		0.0050	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluoropentanoic acid (PFPeA)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluorohexanoic acid (PFHxA)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluoroheptanoic acid (PFHpA)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluorooctanoic acid (PFOA)	<0.0040		0.0040	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluorononanoic acid (PFNA)	<0.0040		0.0040	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluorodecanoic acid (PFDA)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluoroundecanoic acid (PFUnA)	<0.0020		0.0020	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluorododecanoic acid (PFDoA)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluorobutanesulfonic acid (PFBS)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.0040		0.0040	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.0040		0.0040	ug/L		03/14/23 06:20	03/15/23 22:18	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0050		0.0050	ug/L		03/14/23 06:20	03/15/23 22:18	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.0020		0.0020	ug/L		03/14/23 06:20	03/15/23 22:18	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.0050		0.0050	ug/L		03/14/23 06:20	03/15/23 22:18	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.0050		0.0050	ug/L		03/14/23 06:20	03/15/23 22:18	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.0050		0.0050	ug/L		03/14/23 06:20	03/15/23 22:18	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0200		0.0200	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0040		0.0040	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<0.0030		0.0030	ug/L		03/14/23 06:20	03/15/23 22:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	99		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C4 PFBA	101		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C3 PFBS	106		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C5 PFPeA	125		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C5 PFHxA	96		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C4 PFHpA	97		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C8 PFOA	97		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C9 PFNA	97		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C6 PFDA	92		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C7 PFUnA	89		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C2 PFDoA	86		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C8 PFOS	99		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C3 PFHxS	101		50 - 200	03/14/23 06:20	03/15/23 22:18	1

Eurofins Eaton Analytical South Bend

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PWSID Number: PA6250028

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C2-4:2-FTS	114		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C2-6:2-FTS	107		50 - 200	03/14/23 06:20	03/15/23 22:18	1
13C2-8:2-FTS	102		50 - 200	03/14/23 06:20	03/15/23 22:18	1

Method: EPA 537.1 UCMR5 - Perfluorinated Alkyl Acids (LC/MS)

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0047		0.0047	ug/L		03/02/23 07:28	03/04/23 06:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0057		0.0057	ug/L		03/02/23 07:28	03/04/23 06:08	1
Perfluorotetradecanoic acid (PFTA)	<0.0075		0.0075	ug/L		03/02/23 07:28	03/04/23 06:08	1
Perfluorotridecanoic acid (PFTrDA)	<0.0066		0.0066	ug/L		03/02/23 07:28	03/04/23 06:08	1

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	113		70 - 130	03/02/23 07:28	03/04/23 06:08	1
13C2 PFHxA	113		70 - 130	03/02/23 07:28	03/04/23 06:08	1
13C2 PFDA	107		70 - 130	03/02/23 07:28	03/04/23 06:08	1
13C3 HFPO-DA	108		70 - 130	03/02/23 07:28	03/04/23 06:08	1

Method: EPA 200.7 UCMR5 - Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Lithium	<9.00		9.00	ug/L		02/23/23 15:00	02/24/23 15:09	1