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The Philadelphia Water Department complies with the Safe Drinking Water Act to provide the US Environmental Protection Agency (EPA) with sample results required by the fifth Unregulated Contaminant Monitoring Rule (UCMR5). In 2024, PWD conducted quarterly sampling and analysis of 30 chemical contaminants at its three drinking water treatment plants: Baxter, Queen Lane, and Belmont. UCMR5 analytes include 29 per- and polyfluoroalkyl substances (PFAS) and Lithium. The results are provided to EPA and the public in the tables below.

Baxter Drinking Water Treatment Plant Results – UCMR5

Results in ng/L. ND = not detected at method's minimum reporting limit.

Parameter Long Name	Parameter Short Name	Q1 2024	Q2 2024	Q3 2024	Q4 2024
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS/F-53B Minor	ND	ND	ND	ND
1H,1H,2H,2H-perfluorodecanesulfonic acid	8_2 FTS	ND	ND	ND	ND
1H,1H,2H,2H-perfluorohexanesulfonic acid	4_2 FTS	ND	ND	ND	ND
1H,1H,2H,2H-perfluorooctanesulfonic acid	6_2 FTS	ND	ND	ND	ND
Perfluoro sulfonic acid	2-ethoxyethane	ND	ND	ND	ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS/F-53B Major	ND	ND	ND	ND
4,8-dioxa-3H-perfluorononanoic acid	ADONA	ND	ND	ND	ND
Hexafluoropropylene oxide dimer acid /GenX	HFPO-DA	ND	ND	ND	ND
N-ethyl Perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	ND	ND	ND
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	ND	ND	ND	ND
N-methyl Perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	ND	ND	ND
Perfluorobutanoic acid	PFBA	ND	ND	ND	ND
Perfluorobutanesulfonic acid	PFBS	ND	ND	ND	ND
Perfluorodecanoic acid	PFDA	ND	ND	ND	ND
Perfluorododecanoic acid	PFDoA	ND	ND	ND	ND
Perfluoroheptanoic acid	PFHpA	ND	ND	ND	ND
Perfluoroheptanesulfonic acid	PFHpS	ND	ND	ND	ND
Perfluorohexanoic acid	PFHxA	ND	ND	4.3	3.6
Perfluorohexanesulfonic acid	PFHxS	ND	ND	ND	ND
Perfluoro-4-methoxybutanoic acid	PFMBA	ND	ND	ND	ND
Perfluoro-3-methoxypropanoic acid	PFMPA	ND	ND	ND	ND
Perfluorononanoic acid	PFNA	ND	ND	ND	ND
Perfluorooctanoic acid	PFOA	ND	ND	ND	ND
Perfluorooctanesulfonic acid	PFOS	ND	ND	ND	ND
Perfluoropentanoic acid	PFPeA	ND	ND	4.4	3.9
Perfluoropentanesulfonic acid	PFPeS	ND	ND	ND	ND
Perfluorotetradecanoic acid	PFTeDA	ND	ND	ND	ND
Perfluorotridecanoic acid	PFTTrDA	ND	ND	ND	ND
Perfluoroundecanoic acid	PFUnA	ND	ND	ND	ND
Lithium	Lithium	ND	ND	ND	ND

Queen Lane Water Treatment Plant Results – UCMR5

Results in ng/L. ND = not detected at method's minimum reporting limit.

Parameter Long Name	Parameter Short Name	Q1 2024	Q2 2024	Q3 2024	Q4 2024
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS/F-53B Minor	ND	ND	ND	ND
1H,1H,2H,2H-perfluorodecanesulfonic acid	8_2 FTS	ND	ND	ND	ND
1H,1H,2H,2H-perfluorohexanesulfonic acid	4_2 FTS	ND	ND	ND	ND
1H,1H,2H,2H-perfluorooctanesulfonic acid	6_2 FTS	ND	ND	ND	ND
Perfluoro sulfonic acid	2-ethoxyethane	ND	ND	ND	ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS/F-53B Major	ND	ND	ND	ND
4,8-dioxa-3H-perfluorononanoic acid	ADONA	ND	ND	ND	ND
Hexafluoropropylene oxide dimer acid /GenX	HFPO-DA	ND	ND	ND	ND
N-ethyl Perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	ND	ND	ND
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	ND	ND	ND	ND
N-methyl Perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	ND	ND	ND
Perfluorobutanoic acid	PFBA	ND	ND	6.8	6.9
Perfluorobutanesulfonic acid	PFBS	4.5	3.6	6.6	8.4
Perfluorodecanoic acid	PFDA	ND	ND	ND	ND
Perfluorododecanoic acid	PFDoA	ND	ND	ND	ND
Perfluoroheptanoic acid	PFHpA	ND	ND	3.3	3
Perfluoroheptanesulfonic acid	PFHpS	ND	ND	ND	ND
Perfluorohexanoic acid	PFHxA	5.3	4.4	9.1	8.4
Perfluorohexanesulfonic acid	PFHxS	ND	ND	ND	ND
Perfluoro-4-methoxybutanoic acid	PFMBA	ND	ND	ND	ND
Perfluoro-3-methoxypropanoic acid	PFMPA	ND	ND	ND	ND
Perfluorononanoic acid	PFNA	ND	ND	4.5	ND
Perfluorooctanoic acid	PFOA	7.4	6.8	8.1	7.1
Perfluorooctanesulfonic acid	PFOS	4.8	4.7	6	4.7
Perfluoropentanoic acid	PFPeA	5.2	4.1	9.9	8.9
Perfluoropentanesulfonic acid	PFPeS	ND	ND	ND	ND
Perfluorotetradecanoic acid	PFTeDA	ND	ND	ND	ND
Perfluorotridecanoic acid	PFTrDA	ND	ND	ND	ND
Perfluoroundecanoic acid	PFUnA	ND	ND	ND	ND
Lithium	Lithium	ND	ND	ND	ND

Belmont Water Treatment Plant Results – UCMR5

Results in ng/L. ND = not detected at method's minimum reporting limit.

Parameter Long Name	Parameter Short Name	Q1 2024	Q2 2024	Q3 2024	Q4 2024
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS/F-53B Minor	ND	ND	ND	ND
1H,1H,2H,2H-perfluorodecanesulfonic acid	8_2 FTS	ND	ND	ND	ND
1H,1H,2H,2H-perfluorohexanesulfonic acid	4_2 FTS	ND	ND	ND	ND
1H,1H,2H,2H-perfluorooctanesulfonic acid	6_2 FTS	ND	ND	ND	ND
Perfluoro sulfonic acid	2-ethoxyethane	ND	ND	ND	ND
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS/F-53B Major	ND	ND	ND	ND
4,8-dioxa-3H-perfluorononanoic acid	ADONA	ND	ND	ND	ND
Hexafluoropropylene oxide dimer acid /GenX	HFPO-DA	ND	ND	ND	ND
N-ethyl Perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	ND	ND	ND
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	ND	ND	ND	ND
N-methyl Perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	ND	ND	ND
Perfluorobutanoic acid	PFBA	ND	ND	6.2	7.6
Perfluorobutanesulfonic acid	PFBS	3.9	ND	6.5	10
Perfluorodecanoic acid	PFDA	ND	ND	ND	ND
Perfluorododecanoic acid	PFDoA	ND	ND	ND	ND
Perfluoroheptanoic acid	PFHpA	ND	ND	3	3.1
Perfluoroheptanesulfonic acid	PFHpS	ND	ND	ND	ND
Perfluorohexanoic acid	PFHxA	3.8	3.1	8.4	9
Perfluorohexanesulfonic acid	PFHxS	ND	ND	ND	ND
Perfluoro-4-methoxybutanoic acid	PFMBA	ND	ND	ND	ND
Perfluoro-3-methoxypropanoic acid	PFMPA	ND	ND	ND	ND
Perfluorononanoic acid	PFNA	ND	ND	4.5	ND
Perfluorooctanoic acid	PFOA	5	6	7.4	7.6
Perfluorooctanesulfonic acid	PFOS	ND	ND	5.2	4.5
Perfluoropentanoic acid	PFPeA	3.8	ND	9	9.2
Perfluoropentanesulfonic acid	PFPeS	ND	ND	ND	ND
Perfluorotetradecanoic acid	PFTeDA	ND	ND	ND	ND
Perfluorotridecanoic acid	PFTeDA	ND	ND	ND	ND
Perfluoroundecanoic acid	PFUnA	ND	ND	ND	ND
Lithium	Lithium	ND	ND	ND	ND