2024 PFAS Analysis

(Between August 2023 - May 2024, 10 of 25 PFAS chemicals were detected)

PFAS Detected	Range	Average	Analysis Dates				Sources of PFAS
			08/2023	11/2023	02/2024	05/2024	
Perfluorobutanoic acid (PFBA)	0.0017 - 0.0065	0.0038	0.0065	0.0030[2]	0.0043[2]	0.0017[2]	PFBA is a breakdown product of other PFAS used in stain-resistant fabrics, paper food packing, and carpets. PFBA was also used for manufacturing photographic film.
Perfluoropentanoic acid (PFPeA)	0.0024 - 0.0029	0.0027	0.0028[2]	0.0029	0.0028[2]	0.0024[2]	PFPeA is a shorter chain chemical created as a replacement chemical for PFOAs.
Perfluorohexanoic acid (PFHxA)	0.0024 - 0.0032	0.0028	0.0024[2]	0.0029	0.0032	0.0027[2]	PFHxA is breakdown product of stain- and grease-proof coatings on food packaging and household products.
Perfluoroheptanoic acid (PFHpA)	0.0010 - 0.0015	0.0012	0.0010[2]	0.0012[2]	0.0015[2]	0.0011[2]	Breakdown product of stain- and grease-proof coatings on food packaging, couches, carpets. A 7-carbon version of PFOA.
Perfluorooctanoic acid (PFOA)	0.0024 - 0.0032	0.0028	0.0020[2]	0.0027[2]	0.0029[2]	0.0023[2]	PFOAs come from a wide range of consumer products, stain-resistant carpet, water-repellent clothes, paper and cardboard packaging, ski wax, and foams used to fight fires. PFOA is also created when other chemicals break down.
Perfluorononanoic acid (PFNA)	0.00052 - 0.0039	0.0014	0.00039[2]	0.00057[2]	0.00064[2]	0.00052[2]	PFNA is used as surfactant for the production of the fluoropolymer polyvinylidene fluoride.
Perfluorodecanoic acid (PFDA)	ND[1] - 0.00044	0.0002	ND[1]	0.00035[2]	0.00044[2]	ND[1]	PFDA is a fluorosurfactant and has been used in industry, with applications as wetting agent and flame retardant.
Perfluorobutanesulfonic acid (PFBS)	0.0031 - 0.0042	0.0036	0.0031	0.0035	0.0042	0.0035	PFBS is the replacement chemical for Scotch guard water repellant. It has been used as a surfactant in industrial processes and in water-resistant or stain-resistant coatings on consumer products such as fabrics, carpets, and paper.
Perfluorohexanesulfonic acid (PFHxS)	0.00044 - 0.001	0.0007	<0.00090[2]	0.0010[2]	0.0010[2]	<0.00081[2]	Sources include firefighting foams, textile coating, metal plating and in polishing agents.
Perfluorooctanesulfonic acid (PFOS)	0.0023 - 0.0029	0.0026	<0.0023[2]	0.0024[2]	0.0029[2]	0.0026[2]	PFOSs can still be found in older consumer products in which it was used before phase-out. PFOA is used in household goods including non-stick coatings like Gore-Tex or cookware (think Teflon), or in carpet and furniture that have been treated to be stain resistant.

Note: All measurements are reported in microgram per liter (ug/L), also known as parts per billion (ppb).

[1] Not Detected.

[2] The result is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value.