

Analytical Results for PFAS in 2024 Total Diet Study Sampling (Parts Per Trillion)—Dataset 10

Note: The 90 samples were collected for the FY2024 Total Diet Study and analyzed for 28 types of PFAS in 2025. No PFAS were detected in 83 of the 90 samples, while 7 samples (cod, shrimp, catfish, tilapia, ground beef, whole milk, skim milk) had detectable levels of PFAS. This sample size is limited and cannot be used to draw definitive conclusions.

Measured Concentrations in parts per trillion (ppt=ng/kg)

[illegible]

Results below the MDL are reported as <MDL. Trace values (those greater than the MDL and less than the LOQ) are reported in italics.

*PFOA, PFHxS, and PFOS concentrations are reported as sum of branched and linear isomers.

Legend

Acronym	Name	CAS	Formula	Nominal Mass
PFBA	Perfluorobutanoic acid	375-22-4	C ₄ HF ₇ O ₂	214
PFPeA	Perfluoropentanoic acid	2706-90-3	C ₅ HF ₉ O ₂	264
PFHxA	Perfluorohexanoic acid	307-24-4	C ₆ HF ₁₁ O ₂	314
PFHpA	Perfluoroheptanoic acid	375-85-9	C ₇ HF ₁₃ O ₂	364
PFOA	Perfluorooctanoic acid	335-67-1	C ₈ HF ₁₅ O ₂	414
PFNA	Perfluorononanoic acid	375-95-1	C ₉ HF ₁₇ O ₂	464
PFDA	Perfluorodecanoic acid	335-76-2	C ₁₀ HF ₁₉ O ₂	514
PFUdA	Perfluoroundecanoic acid	2058-94-8	C ₁₁ HF ₂₁ O ₂	564
PFDoA	Perfluorododecanoic acid	206-203-2	C ₁₂ HF ₂₃ O ₂	614
PFTTrDA	Perfluorotridecanoic acid	276-745-2	C ₁₃ HF ₂₅ O ₂	664
PFTeDA	Perfluorotetradecanoic acid	376-06-7	C ₁₄ HF ₂₇ O ₂	714
PFBS	Perfluorobutanesulfonic acid	375-73-5	C ₄ HF ₉ O ₃ S	300
PFPeS	Perfluoropentanesulfonic acid	2706-91-4	C ₅ HF ₁₁ O ₃ S	350
PFHxS	Perfluorohexanesulfonic acid	355-46-4	C ₆ HF ₁₃ O ₃ S	400
PFHpS	Perfluoroheptanesulfonic acid	375-92-8	C ₇ HF ₁₅ O ₃ S	450
PFOS	Perfluorooctanesulfonic acid	1763-23-1	C ₈ HF ₁₇ O ₃ S	500
PFNS	Perfluorononanesulfonic acid	68259-12-1	C ₉ HF ₁₉ O ₃ S	550
PFDS	Perfluorodecanesulfonic acid	335-77-3	C ₁₀ HF ₂₁ O ₃ S	600
PFUnDS	Perfluoroundecanesulfonic acid	749786-16-1	C ₁₁ HF ₂₃ O ₃ S	650
PFDoS	Perfluorododecanesulfonic acid	79780-39-5	C ₁₂ HF ₂₅ O ₃ S	700
PFTTrDS	Perfluorotridecanesulfonic acid	791563-89-8	C ₁₃ HF ₂₇ O ₃ S	750
PFOSA	Perfluorooctanesulfonamide	754-91-6	C ₈ H ₂ F ₁₇ O ₂ S	499
HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6	C ₆ HF ₁₁ O ₃	330
DONA	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	C ₇ H ₂ F ₁₂ O ₄	378
9CI-PF3ONS	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	756426-58-1	C ₈ ClF ₁₆ O ₄ S	532
11CI-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	C ₁₀ HClF ₂₀ O ₄ S	632
4:2FTS	1H,1H, 2H, 2H -Perfluorohexane sulfonic acid	757124-72-4	C ₆ H ₅ F ₉ O ₃ S	328
6:2FTS	1H,1H, 2H, 2H -Perfluorooctane sulfonic acid	27619-97-2	C ₈ H ₅ F ₁₃ O ₃ S	428
8:2FTS	1H,1H, 2H, 2H -Perfluorodecane sulfonic acid	39108-34-4	C ₁₀ H ₅ F ₁₇ O ₃ S	528
10:2 FTS	1H,1H, 2H, 2H -Perfluorododecane sulfonic acid	120226-60-0	C ₁₂ H ₅ F ₂₁ O ₃ S	628

CAS = Chemical Abstracts Service Number

MDL = Method Detection Limit. MDL is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

LOQ = Limit of Quantification. LOQ is defined as the minimum concentration of a substance that can be reliably quantified and reported.

NR = Not Reported. Data are not reported for these analytes.

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