

Analytical Results for PFAS in 2024 Total Diet Study Sampling (Parts Per Trillion)—Dataset 9

Note: The 90 samples were collected for the FY2024 Total Diet Study and analyzed for 8 types of PFAS in 2025. No PFAS were detected in 84 of the 90 samples, while 6 samples (pepperoni, cod, shrimp, tilapia, half & half, beef steak) 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/ppb).

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.

^aMDLs for PFOA, PFHxS, and PFOS were calculated from the linear isomer only.

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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