

Table S1. List of abbreviations for reviewed PFAS and data availability for key characteristics.

Abbreviation	Chemical Name	PFAS Type	Chemical Formula	CAS Number	Key characteristics of carcinogens (1-10) assessed for individual PFAS in different types of studies		
					Epidemiological	Animal Bioassay	In vitro
PFOA							
PFOA	Perfluorooctanoic acid	Perfluoroalkyl carboxylic acid	C ₈ HF ₁₅ O ₂	335-67-1	1, 4, 5, 6, 7, 8, 9	2, 5, 6, 7, 8, 10	2, 4, 5, 6, 7, 8, 10
Long Chain PFAS							
PFOS	Perfluorooctane sulfonic acid	Perfluoroalkane sulfonic acid	C ₈ HF ₁₇ SO ₃	1763-23-1	1, 4, 5, 6, 7, 8, 9	2, 4, 5, 7, 9	2, 4, 5, 6, 7, 8, 10
PFHxS	Perfluorohexane sulfonic acid	Perfluoroalkane sulfonic acid	C ₆ HF ₁₃ SO ₃	355-46-4	1, 4, 5, 7, 8, 9	2, 8, 10	2, 5, 6, 8
PFNA	Perfluorononanoic acid	Perfluoroalkyl carboxylic acid	C ₉ HF ₁₇ O ₂	375-95-1	4, 5, 7, 8	2, 5, 9, 10	2, 5, 8
PFDA	Perfluorodecanoic acid	Perfluoroalkyl carboxylic acid	C ₁₀ HF ₁₉ O ₂	335-76-2	5, 8, 9	2, 5, 6, 7, 9	2, 5, 6, 7, 8
PFUnA	Perfluoroundecanoic acid	Perfluoroalkyl carboxylic acid	C ₁₁ HF ₂₁ O ₂	2058-94-8	4, 5, 8	5, 6, 9	5
PFDoA	Perfluorododecanoic acid	Perfluoroalkyl carboxylic acid	C ₁₂ HF ₂₃ O ₂	307-55-1		5, 9	5
PFTTrDA	Perfluorotridecanoid acid	Perfluoroalkyl carboxylic acid	C ₁₃ HF ₂₅ O ₂	72629-94-8		5, 9	
PFTeDA	Perfluorotetradecanoic acid	Perfluoroalkyl carboxylic acid	C ₁₄ HF ₂₇ O ₂	376-06-7		5	
PFOSA	Perfluorooctane sulfonamide	Perfluoroalkane sulfonamide	C ₈ H ₂ F ₁₇ NO ₂ S	754-91-6			7
8:2 FTOH	8:2 fluorotelomer alcohol	Fluorotelomer alcohol	F(CF ₂) ₈ (CH ₂) ₂ OH	678-39-7	1	7	6, 7, 8
8:2 monoPAP	8:2 polyfluoroalkyl phosphate ester	Polyfluoroalkyl phosphate ester	F(CF ₂) ₈ (CH ₂) ₂ OP(O)OH ₂	57678-03-2		1	8
8:2 diPAP	8:2/8:2 polyfluoroalkyl phosphate ester	Polyfluoroalkyl phosphate ester	[F(CF ₂) ₈ (CH ₂) ₂ O] ₂ P(O)OH	678-41-1		1	8
8:2 triPAP	8:2/8:2/8:2 polyfluoroalkyl phosphate ester	Polyfluoroalkyl phosphate esters	[F(CF ₂) ₈ (CH ₂) ₂ O] ₃ P(O)	NA		1	8
10:2 diPAP	10:2/10:2 polyfluoroalkyl phosphate ester	Polyfluoroalkyl phosphate ester	[F(CF ₂) ₁₀ (CH ₂) ₂ O] ₂ P(O)OH	1895-26-7		1	8
Short Chain PFAS							
PFBS	Perfluorobutane sulfonic acid	Perfluoroalkane sulfonic acid	C ₄ HF ₉ SO ₃	375-73-5	1	2, 8, 10	2, 6, 7, 8

PFHxA	Perfluorohexanoic acid	Perfluoroalkyl carboxylic acid	C ₆ HF ₁₁ O ₂	307-24-4	8	2, 8, 10	2, 8
PFBA	Perfluorobutanoic acid	Perfluoroalkyl carboxylic acid	C ₄ HF ₇ O ₂	375-22-4		2	8
PFPeA	Perfluoropentanoic acid	Perfluoroalkyl carboxylic acid	C ₅ HF ₉ O ₂	2706-90-3			5
PFHpA	Perfluoroheptanoic acid	Perfluoroalkyl carboxylic acid	C ₇ HF ₁₃ O ₂	375-85-9			8
GenX (HFPO-DA); PMOH	2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy) propanoic acid; ammonium salt	Fluorinated ether carboxylate	C ₆ HF ₁₁ O ₃	13252-13-6; 62037-80-3		8	2, 8
PMPP/ADONA	3H-perfluoro-3-[(3-methoxypropoxy) propanoic acid, ammonium salt	Fluorinated ether carboxylate	C ₇ H ₅ F ₁₂ NO ₄	958445-44-8			8
4:2 FTOH	4:2 fluorotelomer alcohol	Fluorotelomer alcohol	F(CF ₂) ₄ (CH ₂) ₂ OH	2043-47-2	1	1	8
6:2 FTOH	6:2 fluorotelomer alcohol	Fluorotelomer alcohol	F(CF ₂) ₆ (CH ₂) ₂ OH	647-42-7	1	1	8
4:2 diPAP	4:2/4:2 polyfluoroalkyl phosphate ester	Polyfluoroalkyl phosphate ester	[F(CF ₂) ₄ (CH ₂) ₂ O] ₂ P(O)OH	135098-69-0		1	
6:2 diPAP	6:2/6:2 polyfluoroalkyl phosphate ester	Polyfluoroalkyl phosphate ester	[F(CF ₂) ₆ (CH ₂) ₂ O] ₂ P(O)OH	57677-95-9		1	