

Working list of PFAS chemicals (rows) with research interest and ongoing work by EPA (columns)

✓ = EPA work or other information (column) complete for this chemical (row)

in progress = Work is underway to provide this information (column) for this chemical (row)

CHEMICAL TAXONOMY				HUMAN HEALTH TOXICITY DATA			ANALYTICAL METHODS			DRINKING WATER TREATMENT
(a)				(b)	(c)	(d)	(e)	(f)	(g)	(h)
CASRN	Preferred Name	Acronym	Scoping Literature search completed	In Vivo Studies Available	Toxicity Assessments	EPA DW Method 537.1	EPA DW Method 533	EPA Method 8327	Drinking Water Treatment Technology	
Perfluoroalkyl carboxylates										
72629-94-8	Perfluorotridecanoic acid	PFTriA				✓		in progress	✓	
307-55-1	Perfluorododecanoic acid	PFDoA	✓	✓		✓	✓	in progress	✓	
2058-94-8	Perfluoroundecanoic acid	PFUnA	✓	✓		✓	✓	in progress	✓	
335-76-2	Perfluorodecanoic acid	PFDA	✓	✓	in progress	✓	✓	in progress	✓	
375-95-1	Perfluorononanoic acid	PFNA	✓	✓	in progress	✓	✓	in progress	✓	
335-67-1	Perfluorooctanoic acid	PFOA	✓	✓	✓	✓	✓	in progress	✓	
375-85-9	Perfluoroheptanoic acid	PFHpA	✓	✓		✓	✓	in progress	✓	
307-24-4	Perfluorohexanoic acid	PFHxA	✓	✓	in progress	✓	✓	in progress	✓	
2706-90-3	Perfluoropentanoic acid	PFPeA	✓	✓			✓	in progress	✓	
375-22-4	Perfluorobutanoic acid	PFBA	✓	✓	in progress		✓	in progress	✓	
376-06-7	Perfluorotetradecanoic acid	PFTreA				✓		in progress		
377-73-1	Perfluoro-3-methoxypropanoic acid	PFMOPrA					✓			
Perfluoroalkane sulfonates										
335-77-3	Perfluorodecanesulfonic acid	PFDS	✓	✓				in progress	✓	
68259-12-1	Perfluorononanesulfonic acid	PFNS	✓					in progress		
1763-23-1	Perfluorooctanesulfonic acid	PFOS	✓	✓	✓	✓	✓	in progress	✓	
375-92-8	Perfluoroheptanesulfonic acid	PFHpS	✓	✓			✓	in progress	✓	
355-46-4	Perfluorohexanesulfonic acid	PFHxS	✓	✓	in progress	✓	✓	in progress	✓	
2706-91-4	Perfluoropentanesulfonic acid	PFPeS	✓				✓	in progress	✓	
756426-58-1	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9-Cl				✓	✓			
763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11-Cl				✓	✓			
375-73-5	Perfluorobutanesulfonic acid	PFBS	✓	✓	in progress	✓	✓	in progress	✓	
Perfluoroalkane sulfonamides										
754-91-6	Perfluorooctanesulfonamide	PFOSA	✓	✓				in progress	✓	

CHEMICAL TAXONOMY				Human Health Toxicity			Analytical Methods			Drinking Water
(a)				(b)	(c)	(c)	(d)	(e)	(f)	(g)
CASRN	Preferred Name	Acronym	Scoping Literature search completed	In Vivo Studies Available	Toxicity Assessments	Existing EPA DW Method 537	New EPA Method DW	New EPA Method Non-DW	Drinking Water Treatment Technology	
N-alkyl perfluoroalkyl sulfonamido carboxylates										
39108-34-4	8:2 Fluorotelomer sulfonic acid	FtS 8:2	✓				✓	in progress	✓	
27619-97-2	6:2 Fluorotelomer sulfonic acid	FtS 6:2	✓	✓			✓	in progress	✓	
757124-72-4	4:2 Fluorotelomer sulfonic acid	FtS 4:2					✓	in progress		
2355-31-9	2-(N- Methylperfluorooctanesulfonamido) acetic acid	NMeFOSAA	✓	✓		✓		in progress	✓	
Fluorotelomer alcohols										
678-39-7	8:2 Fluorotelomer alcohol	FtOH 8:2	✓	✓						
647-42-7	6:2 Fluorotelomer alcohol	FtOH 6:2	✓	✓						
Perfluoroalkyl ether carboxylates										
13252-13-6	Perfluoro-2-methyl-3-oxahexanoic acid	HFPO-DA (GenX)	✓	✓	in progress	✓	✓		✓	
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid	ADONA	✓	✓		✓	✓		✓	
863090-89-5	Perfluoro(4-methoxybutanoic) acid	PFMBA					✓			
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA					✓			
Fluorotelomer phosphate esters										
57678-01-0	6:2 Fluorotelomer phosphate monoester	6:2 monoPAP	✓							
57677-95-9	6:2 Fluorotelomer phosphate diester	6:2 diPAP	✓							
57678-03-2	8:2 Fluorotelomer dihydrogen phosphate	8:2 monoPAP	✓							
678-41-1	8:2 Fluorotelomer phosphate diester	8:2 diPAP	✓							
943913-15-3	6:2/8:2 Fluorotelomer phosphate diester	6:2/8:2 diPAP	✓							

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Fluorotelomer carboxylates										
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	5:3 acid	✓	✓						
N-alkyl perfluoroalkyl sulfonamido carboxylates										
2991-50-6	2-(N- Ethylperfluorooctanesulfonamido)acetic acid	NEtFOSAA	✓	✓		✓		in progress	✓	
Perfluoroalkyl polyether carboxylates										
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	PFECA B					✓			

Column Headings:

Chemical Taxonomy: EPA uses the Chemistry Dashboard (http://comptox.zn.epa.gov/dashboard/chemical_lists/pfasepa) as the 'official' source of taxonomy information for PFAS.

Human Health Toxicity: In 2017 EPA conducted a scoping toxicological literature review for 31 PFAS chemicals of interest to EPA regions and program offices (b).

EPA found in vivo studies published for PFOA, PFOS, and ~21 of the additional PFAS chemicals (c) which EPA believes might be sufficient to develop standard EPA toxicity reference dose values (e.g. RfD, possibly others). EPA has published toxicity assessments (d) available for PFOA, PFOS, and PFBS; assessments for GenX and PFBS (updated) have been through external peer review and public comment and are being finalized; and assessments for PFBA, PFHxA, PFHxS, PDNA, and PFDA are in the initial draft development stage.

Analytical Methods: EPA has two standard drinking water analytical methods: Method 537.1 (e) includes 18 PFAS of interest, and Method 533 (f) includes 25 PFAS of interest.

EPA is currently developing analytical methods for 24 PFAS of interest in non-drinking water sources (g) using both Direct Injection and Isotope Dilution approaches.

Drinking Water Treatment: EPA maintains a Drinking Water Treatability Database which contains chemical-specific information on effective treatment methods as well

as treatment cost information (<https://oaspub.epa.gov/tdb/pages/general/home.do>). The Treatability Database currently includes information for two PFAS of interest, and EPA is conducting research to add additional information for seven others in the near term (h). EPA has also started conducting tests of efficacy of Point of Entry (POE) filters for removing PFAS chemicals at the household scale, but that work is still in the expository stage.