

PFAS Compounds List

Analyte	CAS Number	EPA 537.1	EPA 533	EPA 1633A	GELMod	ASTM D8421	GELMod AFFF
1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane sulfonic acid (NVHOS) ¹	801209-99-4				x		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	x	x	x	x	x	x
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4		x	x	x	x	x
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0			x	x		x
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4		x	x	x	x	x
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2		x	x	x	x	x
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2			x	x	x	x
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7			x	x	x	x
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra)(GenX)(HFPO-DA)	13252-13-6	x	x	x	x	x	x
2H-Perfluoro-2-decenoic Acid (FOUEA)	70887-84-2					x	
2H-Perfluoro-2-octenoic acid (FHUEA)	70887-88-6					x	
2-Perfluorodecyl ethanoic acid (FDEA) (10:2 FTA)	53826-13-4				x		x
2-Perfluorohexyl ethanoic acid (FHEA) (6:2 FTA)	53826-12-3				x		x
2-Perfluorooctyl ethanoic acid (FOEA) (8:2 FTA)	27854-31-5				x		x
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4			x	x	x	x
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3			x	x	x	x
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5			x	x	x	x
4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,4,5,5,5-octafluoro-pentanoic acid (R-EVE) ¹	2416366-22-6				x		
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G) ¹	801212-59-9				x		
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	x	x	x	x	x	x
7H-Perfluoro-4-methyl-3,6-dioxaoctanesulfonic acid (Nafion Byproduct 2) ¹	749836-20-2				x		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	x	x	x	x	x	x
Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3			x		x	
Byproduct 4 (BP4) ¹	2416366-18-0				x		
Byproduct 5 (BP5) ¹	2416366-19-1				x		
Byproduct 6 (BP6) ¹	2416366-21-5				x		
Hydro-EVE ¹	773804-62-9				x		
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2			x	x	x	x
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	x		x	x	x	x
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8			x	x	x	x
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	x		x	x	x	x
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6		x	x	x	x	x
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic acid (HFPO-TeA) ¹	65294-16-8				x		
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7		x	x	x	x	x
Perfluoro(3,5,7,9,11-pentaaxadodecanoic) acid (PFO5DA) (TAF) ¹	39492-91-6				x		
Perfluoro(3,5,7,9-tetraaxadecanoic) acid (PFO4DA) ¹	39492-90-5				x		

Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) ¹	39492-89-2					x		
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA) ¹	39492-88-1					x		
Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA) ¹	13140-29-9					x		
Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid (HFPO-TrA) ¹	13252-14-7					x		
Perfluoro-2-methoxyacetic acid (PFMOAA) ¹	674-13-5					x		
Perfluoro-3,6-dioxo-4-methyl-7-octenesulfonic acid (Nafion Byproduct 1) ¹	29311-67-9					x		
Perfluoro-3-methoxypropanoic acid (PFMOPrA)	377-73-1		x	x	x	x	x	x
Perfluoro-4-methoxybutanoic acid (PFMOBA)	863090-89-5		x	x	x	x	x	x
Perfluorobutane sulfonic acid (PFBS)	375-73-5	x	x	x	x	x	x	x
Perfluorobutylsulfonamide (FBSA)	30334-69-1			x	x			x
Perfluorobutyric acid (PFBA)	375-22-4		x	x	x	x	x	x
Perfluorodecane sulfonic acid (PFDS)	335-77-3			x	x	x	x	x
Perfluorodecanoic acid (PFDA)	335-76-2	x	x	x	x	x	x	x
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5			x	x	x	x	x
Perfluorododecanoic acid (PFDoA)	307-55-1	x	x	x	x	x	x	x
Perfluoroethanesulfonic acid (PFETs)	354-88-1			x				
Perfluoroethoxypropionic acid (EVE Acid) ¹	69087-46-3					x		
Perfluoroethoxypropyl carboxylic acid (PEPA) ¹	267239-61-2					x		
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8		x	x	x	x	x	x
Perfluoroheptanoic acid (PFHpA)	375-85-9	x	x	x	x	x	x	x
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5			x	Aq only			x
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	x	x	x	x	x	x	x
Perfluorohexanesulfonamide (PFHxSA)	41997-13-1			x				
Perfluorohexanoic acid (PFHxA)	307-24-4	x	x	x	x	x	x	x
Perfluoromethanesulfonic acid (PFMeS)	1493-13-6			x				
Perfluorononane sulfonic acid (PFNS)	68259-12-1			x	x	x	x	x
Perfluorononanoic acid (PFNA)	375-95-1	x	x	x	x	x	x	x
Perfluorooctadecanoic acid (PFODA)	16517-11-6			x	Aq only			x
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	x	x	x	x	x	x	x
Perfluorooctanesulfonamide (PFOSA)	754-91-6			x	x	x	x	x
Perfluorooctanoic acid (PFOA)	335-67-1	x	x	x	x	x	x	x
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4		x	x	x	x	x	x
Perfluoropentanoic acid (PFPeA)	2706-90-3		x	x	x	x	x	x
Perfluoropropanesulfonic acid (PFPrS)	423-41-6			x				
Perfluoropropanoic acid (PFPrA)(PPF Acid)	422-64-0			x	x	x	x	
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	x		x	x	x	x	x
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	x		x	x	x	x	x
Perfluoroundecanoic acid (PFUdA)	2058-94-8	x	x	x	x	x	x	x
Trifluoroacetic acid (TFA)	76-05-01					x		

¹Chemours-only

EPA 537.1 Drinking Water

Analyte	CAS Number	MDL (ng/L)	PQL (ng/L)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	0.7	2
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPrA) GenX HFPO-DA	13252-13-6	0.7	2
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	0.7	2
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	1.3	4
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	1.3	4
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.7	2
Perfluorodecanoic acid (PFDA)	335-76-2	0.7	2
Perfluorododecanoic acid (PFDoA)	307-55-1	0.7	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.7	2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.7	2
Perfluorohexanoic acid (PFHxA)	307-24-4	0.7	2
Perfluorononanoic acid (PFNA)	375-95-1	0.7	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.8	2
Perfluorooctanoic acid (PFOA)	335-67-1	0.7	2
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.7	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.7	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	0.7	2
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	0.7	2

EPA 533 Drinking Water

Analyte	CAS Number	MDL (ng/L)	PQL (ng/L)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	0.7	2
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPrA) GenX HFPO-DA	13252-13-6	0.7	2
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	0.7	2
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	1.3	4
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	5.4	15
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	1.3	4
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1.3	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.7	2
Perfluoro-3-methoxypropanoic acid (PFMOPrA)	377-73-1	1.3	4
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	1.3	4
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.7	2
Perfluorobutyric acid (PFBA)	375-22-4	0.7	2
Perfluorodecanoic acid (PFDA)	335-76-2	0.7	2
Perfluorododecanoic acid (PFDoA)	307-55-1	0.7	2
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.7	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.7	2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.7	2
Perfluorohexanoic acid (PFHxA)	307-24-4	0.7	2
Perfluorononanoic acid (PFNA)	375-95-1	0.7	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.7	2
Perfluorooctanoic acid (PFOA)	335-67-1	0.7	2
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.7	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.7	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	0.7	2
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	0.7	2

GEL 537 Modified & DOD QSM 5.4 Table B-15 (Aqueous)

Analyte	CAS Number	MDL (ng/L)	LOD (ng/L)	PQL /LOQ (ng/L)
1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane sulfonic acid (NVHOS) ¹	801209-99-4	1.3	2.6	4
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	0.7	1.3	2
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra) GenX HFPO-DA	13252-13-6	0.7	1.3	2
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	1.3	2.6	4
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	1.3	2.6	4
2-Perfluorodecyl ethanoic acid (FDEA) (10:2 FTA)	53826-13-4	1.3	2.6	4
2-Perfluorohexyl ethanoic acid (FHEA) (6:2 FTA)	53826-12-3	1.3	2.6	4
2-Perfluorooctyl ethanoic acid (FOEA) (8:2 FTA)	27854-31-5	1.3	2.6	4
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	1.3	2.6	4
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	1.3	2.6	4
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	1.3	2.6	4
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFCEA-G) ¹	801212-59-9	0.2	0.4	0.5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	0.7	1.3	2
Byproduct 4 (BP4) ¹	2416366-18-0	0.2	0.4	0.5
Byproduct 5 (BP5) ¹	2416366-19-1	0.2	0.4	1
Byproduct 6 (BP6) ¹	2416366-21-5	0.2	0.4	1
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	1.3	2.6	4
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	1.3	2.6	4
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	5.4	10.8	15
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	1.3	2.6	4
Hydro-EVE ¹	773804-62-9	0.2	0.4	0.5
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	1.3	2.6	4
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	1.3	2.6	4
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	1.3	2.6	4
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	1.3	2.6	4
Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid (Nafion Byproduct 1) ¹	29311-67-9	0.2	0.4	0.5
7H-Perfluoro-4-methyl-3,6-dioxaoctanesulfonic acid (Nafion Byproduct 2) ¹	749836-20-2	0.2	0.4	0.5
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1.3	2.6	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.7	1.3	2
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA) ¹	39492-90-5	0.2	0.4	0.5
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) ¹	39492-89-2	0.2	0.4	0.5
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA) ¹	39492-88-1	0.2	0.4	0.5
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.7	1.3	2
Perfluoro-2-methoxyacetic acid (PFMOAA) ¹	674-13-5	0.2	0.4	0.5
Perfluoro-3-methoxypropanoic acid (PFMOPra)	377-73-1	1.3	2.6	4
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	1.3	2.6	4

Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.7	1.3	2
Perfluorobutylsulfonamide (FBSA)	30334-69-1	1.3	2.6	4
Perfluorobutyric acid (PFBA)	375-22-4	0.8	1.6	2
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.7	1.3	2
Perfluorodecanoic acid (PFDA)	335-76-2	0.8	1.6	2
Perfluorododecanoic acid (PFDoA)	307-55-1	0.7	1.3	2
Perfluoroethoxypropionic acid (EVE Acid) ¹	69087-46-3	0.2	0.4	0.5
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.7	1.3	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.7	1.3	2
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	1.3	2.6	4
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.7	1.3	2
Perfluorohexanoic acid (PFHxA)	307-24-4	0.8	1.6	2
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.7	1.4	2
Perfluorononanoic acid (PFNA)	375-95-1	0.7	1.3	2
Perfluorooctadecanoic acid (PFODA)	16517-11-6	1.3	2.6	4
Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.7	1.3	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.8	1.6	2
Perfluorooctanoic acid (PFOA)	335-67-1	0.8	1.6	2
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.7	1.3	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.7	1.3	2
Perfluoropropanoic acid (PPF Acid)	422-64-0	4.0	8.0	10
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.8	1.6	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.7	1.3	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	0.7	1.3	2
4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-pentanoic acid (R-EVE) ¹	2416366-22-6	0.2	0.4	0.5
Perfluoro(3,5,7,9,11-pentaaxadodecanoic) acid (PFO5DA) (TAF) ¹	39492-91-6	0.2	0.4	0.5
Perfluoroethoxypropyl carboxylic acid (PEPA) ¹	267239-61-2	0.2	0.4	0.5
Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA) ¹	13140-29-9	0.2	0.4	0.5
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	0.7	1.3	2
Perfluoro-2,5-dimethyl-3,6-dioxananoic acid (HFPO-TrA) ¹	13252-14-7	0.2	0.4	0.5
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid (HFPO-TeA) ¹	65294-16-8	0.2	0.4	0.5
Trifluoroacetic acid (TFA)	76-05-01	6.7	13.3	20

GEL 537 Modified & DOD QSM 5.4 Table B-15 (Solid)

Analyte	CAS Number	MDL (ug/Kg)	LOD (ug/Kg)	PQL/LOQ (ug/Kg)
1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane sulfonic acid (NVHOS) ¹	801209-99-4	0.3	0.7	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	0.2	0.3	0.5
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra) GenX HFPO-DA	13252-13-6	0.2	0.3	1
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	0.4	0.8	1
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	0.4	0.8	1
2-Perfluorodecyl ethanoic acid (FDEA) (10:2 FTA)	53826-13-4	0.3	0.7	1
2-Perfluorohexyl ethanoic acid (FHEA) (6:2 FTA)	53826-12-3	0.3	0.7	1
2-Perfluorooctyl ethanoic acid (FOEA) (8:2 FTA)	27854-31-5	0.3	0.7	1
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	0.3	0.7	1
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	0.3	0.7	1
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	0.3	0.7	1
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFCEA-G) ¹	801212-59-9	0.3	0.7	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	0.2	0.3	0.5
Byproduct 4 (BP4) ¹	2416366-18-0	0.3	0.7	1
Byproduct 5 (BP5) ¹	2416366-19-1	0.3	0.7	1
Byproduct 6 (BP6) ¹	2416366-21-5	0.3	0.7	1
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.3	0.7	1
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	0.4	0.8	1
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	1.3	3	4
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	0.4	0.8	1
Hydro-EVE ¹	773804-62-9	0.3	0.7	1
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	0.4	0.8	1
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	0.3	0.6	1
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	0.4	0.9	1
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	0.3	0.7	1
Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid (Nafion Byproduct 1) ¹	29311-67-9	0.3	0.7	1
7H-Perfluoro-4-methyl-3,6-dioxaoctanesulfonic acid (Nafion Byproduct 2) ¹	749836-20-2	0.3	0.7	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	0.2	0.3	1
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.2	0.3	0.5
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA) ¹	39492-90-5	0.3	0.7	1
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) ¹	39492-89-2	0.3	0.7	1
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA) ¹	39492-88-1	0.3	0.7	1
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.2	0.3	0.5
Perfluoro-2-methoxyacetic acid (PFMOAA) ¹	674-13-5	0.3	0.7	1
Perfluoro-3-methoxypropanoic acid (PFMOPra)	377-73-1	0.3	0.7	1
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	0.3	0.7	1

Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.2	0.3	0.4
Perfluorobutylsulfonamide (FBSA)	30334-69-1	0.2	0.3	1
Perfluorobutyric acid (PFBA)	375-22-4	0.2	0.4	1
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.2	0.3	0.5
Perfluorodecanoic acid (PFDA)	335-76-2	0.4	0.7	1
Perfluorododecanoic acid (PFDoA)	307-55-1	0.2	0.3	0.5
Perfluoroethoxypropionic acid (EVE Acid) ¹	69087-46-3	0.3	0.7	1
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.2	0.4	0.5
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.2	0.3	0.5
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.2	0.3	0.5
Perfluorohexanoic acid (PFHxA)	307-24-4	0.2	0.4	1
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.2	0.3	0.5
Perfluorononanoic acid (PFNA)	375-95-1	0.2	0.3	0.5
Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.2	0.3	0.5
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.2	0.4	0.5
Perfluorooctanoic acid (PFOA)	335-67-1	0.2	0.4	0.5
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.2	0.3	0.5
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.2	0.3	0.5
Perfluoropropanoic acid (PPF Acid)	422-64-0	2	4	5
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.2	0.4	0.5
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.2	0.3	0.5
Perfluoroundecanoic acid (PFUdA)	2058-94-8	0.2	0.3	0.5
4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-pentanoic acid (R-EVE) ¹	2416366-22-6	0.3	0.7	1
Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid (PFO5DA) (TAF) ¹	39492-91-6	0.3	0.7	1
Perfluoroethoxypropyl carboxylic acid (PEPA) ¹	267239-61-2	0.3	0.7	1
Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA) ¹	13140-29-9	0.3	0.7	1
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	0.2	0.3	0.5
Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid (HFPO-TrA) ¹	13252-14-7	1.0	2	3
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid (HFPO-TeA) ¹	65294-16-8	1.0	2	3
Trifluoroacetic acid (TFA)	76-05-01	2.0	4	4

¹Chemours-only

GEL 537 Modified & DOD QSM 5.4 Table B-15 (Tissue)

Analyte	CAS Number	MDL (ug/Kg)	LOD (ug/Kg)	PQL /LOQ (ug/Kg)
1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane sulfonic acid (NVHOS) ¹	801209-99-4	1.3	2.6	4
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	0.7	1.3	2
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra) GenX HFPO-DA	13252-13-6	0.7	1.3	2
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	1.6	3.2	4
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	1.6	3.1	4
2-Perfluorodecyl ethanoic acid (FDEA) (10:2 FTA)	53826-13-4	1.3	2.6	4
2-Perfluorohexyl ethanoic acid (FHEA) (6:2 FTA)	53826-12-3	1.3	2.6	4
2-Perfluorooctyl ethanoic acid (FOEA) (8:2 FTA)	27854-31-5	1.3	2.6	4
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	1.3	2.6	4
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	1.3	2.6	4
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	1.3	2.6	4
4-(Heptafluoroisopropoxy)hexafluorobutanoic acid (PFECA-G) ¹	801212-59-9	1.3	2.6	4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	0.7	1.3	2
Byproduct 4 (BP4) ¹	2416366-18-0	1.3	2.6	4
Byproduct 5 (BP5) ¹	2416366-19-1	1.3	2.6	4
Byproduct 6 (BP6) ¹	2416366-21-5	1.3	2.6	4
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	1.3	2.6	4
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	1.6	3.2	4
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	5.4	10.7	15
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	1.5	3.1	4
Hydro-EVE ¹	773804-62-9	1.3	2.6	4
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	1.6	3.3	4
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	1.1	2.2	4
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	1.7	3.5	4
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	1.3	2.6	4
Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid (Nafion Byproduct 1) ¹	29311-67-9	1.3	2.6	4
7H-Perfluoro-4-methyl-3,6-dioxaoctanesulfonic acid (Nafion Byproduct 2) ¹	749836-20-2	1.3	2.6	4
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	0.7	1.3	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.7	1.3	2
Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA) ¹	39492-90-5	1.3	2.6	4
Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) ¹	39492-89-2	1.3	2.6	4
Perfluoro(3,5-dioxahexanoic) acid (PFO2HxA) ¹	39492-88-1	1.3	2.6	4
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.7	1.3	2
Perfluoro-2-methoxyacetic acid (PFMOAA) ¹	674-13-5	1.3	2.6	4
Perfluoro-3-methoxypropanoic acid (PFMOPra)	377-73-1	1.3	2.6	4
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	1.3	2.6	4

Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.7	1.3	2
Perfluorobutylsulfonamide (FBSA)	30334-69-1	0.7	1.3	4
Perfluorobutyric acid (PFBA)	375-22-4	0.8	1.6	2
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.7	1.3	2
Perfluorodecanoic acid (PFDA)	335-76-2	1.5	3.0	4
Perfluorododecanoic acid (PFDoA)	307-55-1	0.7	1.3	2
Perfluoroethoxypropionic acid (EVE Acid) ¹	69087-46-3	1.3	2.6	4
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.7	1.5	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.7	1.3	2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.7	1.3	2
Perfluorohexanoic acid (PFHxA)	307-24-4	0.8	1.6	2
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.7	1.3	2
Perfluorononanoic acid (PFNA)	375-95-1	0.7	1.3	2
Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.7	1.3	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.8	1.6	2
Perfluorooctanoic acid (PFOA)	335-67-1	0.8	1.6	2
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.7	1.3	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.7	1.3	2
Perfluoropropanoic acid (PPF Acid)	422-64-0	8	16	20
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.8	1.6	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.7	1.3	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	0.7	1.3	2
4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-pentanoic acid (R-EVE) ¹	2416366-22-6	1.3	2.6	4
Perfluoro(3,5,7,9,11-pentaaxadodecanoic) acid (PFO5DA) (TAF) ¹	39492-91-6	1.3	2.6	4
Perfluoroethoxypropyl carboxylic acid (PEPA) ¹	267239-61-2	1.3	2.6	4
Perfluoro-2-(perfluoromethoxy)propanoic acid (PMPA) ¹	13140-29-9	1.3	2.6	4
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	0.7	1.3	2
Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid (HFPO-TrA) ¹	13252-14-7	4	8	12
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid (HFPO-TeA) ¹	65294-16-8	4	8	12
Trifluoroacetic acid (TFA)	76-05-01	8	16	16

¹Chemours-only

EPA 1633A (Aqueous)

Analyte	CAS Number	MDL (ng/L)	LOD (ng/L)	PQL/LOQ (ng/L)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	2.5	5.0	8
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra) (GenX)	13252-13-6	2.7	5.3	8
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	6.7	13	20
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	6.7	13	20
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	13	27	40
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	13	27	40
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	2.7	5.3	8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	2.5	5.0	7
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	2.5	5.0	8
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	2.5	5.1	8
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	2.6	5.1	8
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	0.7	1.3	2
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	0.7	1.3	2
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	0.7	1.3	2
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	0.7	1.3	2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1.3	2.7	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	1.2	2.4	4
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.6	1.3	2
Perfluoro-3-methoxypropanoic acid (PFMOPra)	377-73-1	1.3	2.7	4
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	1.3	2.7	4
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.6	1.2	2
Perfluorobutyric acid (PFBA)	375-22-4	2.7	5.3	8
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.6	1.3	2
Perfluorodecanoic acid (PFDA)	335-76-2	0.7	1.3	2
Perfluorododecanoic acid (PFDoA)	307-55-1	0.7	1.3	2
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.6	1.3	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.7	1.3	2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.6	1.2	2
Perfluorohexanoic acid (PFHxA)	307-24-4	0.7	1.3	2
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.6	1.3	2
Perfluorononanoic acid (PFNA)	375-95-1	0.7	1.3	2
Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.7	1.3	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.6	1.2	2
Perfluorooctanoic acid (PFOA)	335-67-1	0.7	1.3	2
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.6	1.3	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.7	1.3	2
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.7	1.3	2

Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.7	1.3	2
Perfluoroundecanoic acid (PFUDa)	2058-94-8	0.7	1.3	2
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	2.5	5.0	8
Perfluoromethanesulfonic acid (PFMeS)	1493-13-6	0.6	1.2	2
Perfluoroethanesulfonic acid (PFEtS)	354-88-1	0.6	1.2	2
Perfluoropropanoic acid (PPF Acid)(PFPrA)	422-64-0	2.7	5.3	8
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	0.7	1.3	2
Perfluorooctadecanoic acid (PFODA)	16517-11-6	0.7	1.3	2
Perfluorohexanesulfonamide (PFHxSA)	41997-13-1	0.7	1.3	2
Perfluorobutylsulfonamide (FBSA)	30334-69-1	0.7	1.3	2
Perfluoropropanesulfonic acid (PFPrS)	423-41-6	0.7	1.3	2
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.7	1.3	2
Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	0.7	1.3	2

EPA 1633A (Leachate)

Analyte	CAS Number	MDL (ng/L)	LOD (ng/L)	PQL /LOQ (ng/L)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	13	25	38
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra) (GenX)	13252-13-6	13	27	40
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	33	67	100
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	33	67	100
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	67	133	200
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	67	133	200
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	13	27	40
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	12	25	37
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	13	25	38
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	13	25	38
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	13	26	38
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	3.3	6.7	10
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	3.3	6.7	10
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	3.3	6.7	10
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	3.3	6.7	10
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	6.7	13	20
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	5.9	12	18
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	3.2	6.5	10
Perfluoro-3-methoxypropanoic acid (PFMOPra)	377-73-1	6.7	13	20
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	6.7	13	20
Perfluorobutane sulfonic acid (PFBS)	375-73-5	3.0	5.9	9
Perfluorobutyric acid (PFBA)	375-22-4	13	27	40
Perfluorodecane sulfonic acid (PFDS)	335-77-3	3.2	6.4	10
Perfluorodecanoic acid (PFDA)	335-76-2	3.3	6.7	10
Perfluorododecanoic acid (PFDoA)	307-55-1	3.3	6.7	10
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	3.2	6.4	10
Perfluoroheptanoic acid (PFHpA)	375-85-9	3.3	6.7	10
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	3.0	6.1	9
Perfluorohexanoic acid (PFHxA)	307-24-4	3.3	6.7	10
Perfluorononane sulfonic acid (PFNS)	68259-12-1	3.2	6.4	10
Perfluorononanoic acid (PFNA)	375-95-1	3.3	6.7	10
Perfluorooctanesulfonamide (PFOSA)	754-91-6	3.3	6.7	10
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	3.1	6.2	9
Perfluorooctanoic acid (PFOA)	335-67-1	3.3	6.7	10
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	3.1	6.3	9
Perfluoropentanoic acid (PFPeA)	2706-90-3	3.3	6.7	10
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	3.3	6.7	10

Perfluorotridecanoic acid (PFTrDA)	72629-94-8	3.3	6.7	10
Perfluoroundecanoic acid (PFUdA)	2058-94-8	3.3	6.7	10
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	13	25	38
Perfluoromethanesulfonic acid (PFMeS)	1493-13-6	2.9	5.8	9
Perfluoroethanesulfonic acid (PFEtS)	354-88-1	3.0	6.0	9
Perfluoropropanoic acid (PPF Acid)(PFPrA)	422-64-0	13	27	40
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	3.3	6.7	10
Perfluorooctadecanoic acid (PFODA)	16517-11-6	3.3	6.7	10
Perfluorohexanesulfonamide (PFHxSA)	41997-13-1	3.3	6.7	10
Perfluorobutylsulfonamide (FBSA)	30334-69-1	3.3	6.7	10
Perfluoropropanesulfonic acid (PFPrS)	423-41-6	3.3	6.7	10
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	3.3	6.7	10
Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	3.3	6.7	10

EPA 1633A (Solid)

Analyte	CAS Number	MDL (ug/Kg)	LOD (ug/Kg)	PQL /LOQ (ug/Kg)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	0.25	0.5	0.8
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra) (GenX)	13252-13-6	0.27	0.5	0.8
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	0.67	1.3	2
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	0.67	1.3	2
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	1.3	2.7	4
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	1.3	2.7	4
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	0.27	0.53	0.8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	0.25	0.50	0.7
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	0.25	0.50	0.8
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	0.25	0.51	0.8
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	0.26	0.51	0.8
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	0.07	0.13	0.2
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	0.07	0.13	0.2
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	0.07	0.13	0.2
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	0.07	0.13	0.2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	0.13	0.27	0.4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	0.12	0.24	0.4
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.06	0.13	0.2
Perfluoro-3-methoxypropanoic acid (PFMOPra)	377-73-1	0.13	0.27	0.4
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	0.13	0.27	0.4
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.06	0.12	0.2
Perfluorobutyric acid (PFBA)	375-22-4	0.27	0.53	0.8
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.06	0.13	0.2
Perfluorodecanoic acid (PFDA)	335-76-2	0.07	0.13	0.2
Perfluorododecanoic acid (PFDoA)	307-55-1	0.07	0.13	0.2
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.06	0.13	0.2
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.07	0.13	0.2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.06	0.12	0.2
Perfluorohexanoic acid (PFHxA)	307-24-4	0.07	0.13	0.2
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.06	0.13	0.2
Perfluorononanoic acid (PFNA)	375-95-1	0.07	0.13	0.2
Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.07	0.13	0.2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.06	0.12	0.2
Perfluorooctanoic acid (PFOA)	335-67-1	0.07	0.13	0.2
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.06	0.13	0.2
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.13	0.27	0.4
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.07	0.13	0.2

Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.07	0.13	0.2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	0.07	0.13	0.2
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	0.25	0.50	0.8
Perfluoromethanesulfonic acid (PFMeS)	1493-13-6	0.06	0.12	0.2
Perfluoroethanesulfonic acid (PFEtS)	354-88-1	0.06	0.12	0.2
Perfluoropropanoic acid (PPF Acid)(PFPrA)	422-64-0	0.27	0.54	0.8
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	0.07	0.14	0.2
Perfluorooctadecanoic acid (PFODA)	16517-11-6	0.07	0.14	0.2
Perfluorohexanesulfonamide (PFHxSA)	41997-13-1	0.07	0.14	0.2
Perfluorobutylsulfonamide (FBSA)	30334-69-1	0.07	0.14	0.2
Perfluoropropanesulfonic acid (PFPrS)	423-41-6	0.07	0.14	0.2
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.07	0.14	0.2
Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	0.07	0.14	0.2

EPA 1633A (Biosolid)

Analyte	CAS Number	MDL (ug/Kg)	LOD (ug/Kg)	PQL /LOQ (ug/Kg)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	2.5	5.0	8
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra) (GenX)	13252-13-6	2.7	5.3	8
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	6.7	13	20
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	6.7	13	20
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	13	27	40
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	13	27	40
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	2.7	5.3	8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	2.5	5.0	7
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	2.5	5.0	8
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	2.5	5.1	8
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	2.6	5.1	8
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	0.7	1.3	2
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	0.7	1.3	2
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	0.7	1.3	2
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	0.7	1.3	2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1.3	2.7	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	1.2	2.4	4
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.6	1.3	2
Perfluoro-3-methoxypropanoic acid (PFMOPra)	377-73-1	1.3	2.7	4
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	1.3	2.7	4
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.6	1.2	2
Perfluorobutyric acid (PFBA)	375-22-4	2.7	5.3	8
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.6	1.3	2
Perfluorodecanoic acid (PFDA)	335-76-2	0.7	1.3	2
Perfluorododecanoic acid (PFDoA)	307-55-1	0.7	1.3	2
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.6	1.3	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.7	1.3	2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.6	1.2	2
Perfluorohexanoic acid (PFHxA)	307-24-4	0.7	1.3	2
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.6	1.3	2
Perfluorononanoic acid (PFNA)	375-95-1	0.7	1.3	2
Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.7	1.3	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.6	1.2	2
Perfluorooctanoic acid (PFOA)	335-67-1	0.7	1.3	2
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.6	1.3	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.7	1.3	2
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.7	1.3	2

Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.7	1.3	2
Perfluoroundecanoic acid (PFUdA)	2058-94-8	0.7	1.3	2
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	2.5	5.0	8
Perfluoromethanesulfonic acid (PFMeS)	1493-13-6	0.6	1.2	2
Perfluoroethanesulfonic acid (PFEtS)	354-88-1	0.6	1.2	2
Perfluoropropanoic acid (PPF Acid)(PFPrA)	422-64-0	2.7	5.3	8
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	0.7	1.3	2
Perfluorooctadecanoic acid (PFODA)	16517-11-6	0.7	1.3	2
Perfluorohexanesulfonamide (PFHxSA)	41997-13-1	0.7	1.3	2
Perfluorobutylsulfonamide (FBSA)	30334-69-1	0.7	1.3	2
Perfluoropropanesulfonic acid (PFPrS)	423-41-6	0.7	1.3	2
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.7	1.3	2
Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	0.7	1.3	2

EPA 1633A (Tissue)

Analyte	CAS Number	MDL (ug/Kg)	LOD (ug/Kg)	PQL/LOQ (ug/Kg)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	2.5	5.0	8
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPra) (GenX)	13252-13-6	2.7	5.3	8
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	6.7	13	20
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	6.7	13	20
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	13	27	40
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	13	27	40
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	2.7	5.3	8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	2.5	5.0	7
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	2.5	5.0	8
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	2.5	5.1	8
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	2.6	5.1	8
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	0.7	1.3	2
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	0.7	1.3	2
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	0.7	1.3	2
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	0.7	1.3	2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1.3	2.7	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	1.2	2.4	4
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.6	1.3	2
Perfluoro-3-methoxypropanoic acid (PFMOPra)	377-73-1	1.3	2.7	4
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	1.3	2.7	4
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.6	1.2	2
Perfluorobutyric acid (PFBA)	375-22-4	2.7	5.3	8
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.6	1.3	2
Perfluorodecanoic acid (PFDA)	335-76-2	0.7	1.3	2
Perfluorododecanoic acid (PFDoA)	307-55-1	0.7	1.3	2
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.6	1.3	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.7	1.3	2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.6	1.2	2
Perfluorohexanoic acid (PFHxA)	307-24-4	0.7	1.3	2
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.6	1.3	2
Perfluorononanoic acid (PFNA)	375-95-1	0.7	1.3	2
Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.7	1.3	2
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.6	1.2	2
Perfluorooctanoic acid (PFOA)	335-67-1	0.7	1.3	2
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.6	1.3	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.7	1.3	2
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.7	1.3	2

Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.7	1.3	2
Perfluoroundecanoic acid (PFUDa)	2058-94-8	0.7	1.3	2
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	2.5	5.0	8
Perfluoromethanesulfonic acid (PFMeS)	1493-13-6	0.6	1.2	2
Perfluoroethanesulfonic acid (PFEtS)	354-88-1	0.6	1.2	2
Perfluoropropanoic acid (PPF Acid)(PFPrA)	422-64-0	2.7	5.3	8
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	0.7	1.3	2
Perfluorooctadecanoic acid (PFODA)	16517-11-6	0.7	1.3	2
Perfluorohexanesulfonamide (PFHxSA)	41997-13-1	0.7	1.3	2
Perfluorobutylsulfonamide (FBSA)	30334-69-1	0.7	1.3	2
Perfluoropropanesulfonic acid (PFPrS)	423-41-6	0.7	1.3	2
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.7	1.3	2
Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	0.7	1.3	2

ASTM D8421 (Aqueous)

Analyte	CAS Number	MDL (ug/Kg)	PQL /LOQ (ug/Kg)
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	13.3	40
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	6.7	20
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	6.7	20
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	6.7	20
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (PFPrOPrA) GenX HFPO-DA	13252-13-6	7	20
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	7	20
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	6.7	20
2H-Perfluoro-2-decenoic Acid (FOUEA)	70887-84-2	13.3	40
2H-Perfluoro-2-octenoic acid (FHUEA)	70887-88-6	6.7	20
3-Perfluoroheptyl propanoic acid (FHpPA)(7:3 FTCA)	812-70-4	6.7	20
3-Perfluoropentyl propanoic acid (FPePA)(5:3 FTCA)	914637-49-3	6.7	20
3-Perfluoropropyl propanoic acid (FPrPA) (3:3 FTCA)	356-02-5	26.6	80
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	6.7	20
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	6.7	20
Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	6.7	20
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	6.7	20
N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	2991-50-6	6.7	20
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	6.7	20
N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	6.7	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	6.7	20
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	6.7	20
Perfluoro-3-methoxypropanoic acid (PFMOPrA)	377-73-1	6.7	20
Perfluoro-4-methoxybutanic acid (PFMOBA)	863090-89-5	6.7	20
Perfluorobutane sulfonic acid (PFBS)	375-73-5	13.3	40
Perfluorobutyric acid (PFBA)	375-22-4	33.4	100
Perfluorodecane sulfonic acid (PFDS)	335-77-3	6.7	20
Perfluorodecanoic acid (PFDA)	335-76-2	6.7	20
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	26.6	80
Perfluorododecanoic acid (PFDoA)	307-55-1	6.7	20
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	6.7	20
Perfluoroheptanoic acid (PFHpA)	375-85-9	6.7	20
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	6.7	20
Perfluorohexanoic acid (PFHxA)	307-24-4	6.7	20
Perfluorononane sulfonic acid (PFNS)	68259-12-1	6.7	20
Perfluorononanoic acid (PFNA)	375-95-1	13.3	40
Perfluorooctanesulfonamide (PFOSA)	754-91-6	6.7	20
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	6.7	20

Perfluorooctanoic acid (PFOA)	335-67-1	26.6	80
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	6.7	20
Perfluoropentanoic acid (PFPeA)	2706-90-3	33.4	100
Perfluoropropanoic acid (PPF Acid)(PFPrA)	422-64-0	33.4	100
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	26.6	80
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	26.6	80
Perfluoroundecanoic acid (PFUdA)	2058-94-8	6.7	20