

## PFAS Compounds List (1 of 2)

Analyte	CAS Number	EPA 533	EPA 537.1	EPA 1633	GEL's Full List
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	113507-82-7	x		x	x
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0				x
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (Gen-X)	13252-13-6	x	x	x	x
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	x		x	x
Perfluorooctadecanoic acid (PFODA)	16517-11-6				Water only
N-Ethylperfluorooctane sulfonamido ethanol (NETFOSE)	1691-99-2			x	x
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	x	x	x	x
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	x	x	x	x
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	2355-31-9		x	x	x
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	24448-09-7			x	x
Perfluoropentanoic acid (PFPeA)	2706-90-3	x		x	x
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	x		x	x
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	x		x	x
2-Perfluorooctyl ethanoic acid (8:2 FTA) (FOEA)	27854-31-5				x
N-Ethylperfluorooctane sulfonamido acetic acid (NETFOSAA)	2991-50-6		x	x	x
Perfluorobutylsulfonamide (FBSA)	30334-69-1				x
Perfluorohexanoic acid (PFHxA)	307-24-4	x	x	x	x
Perfluorododecanoic acid (PFDOA)	307-55-1	x	x	x	x
N-Methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8			x	x
Perfluorooctanoic acid (PFOA)	335-67-1	x	x	x	x
Perfluorodecanoic acid (PFDA)	335-76-2	x	x	x	x
Perfluorodecane sulfonic acid (PFDS)	335-77-3			x	x
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	x	x	x	x
4,4,5,5,6,6-Heptafluorohexanoic acid (3:3 FTCA)	356-02-5			x	x
Perfluorobutanoic acid (PFBA)	375-22-4	x		x	x
Perfluorobutane sulfonic acid (PFBS)	375-73-5	x	x	x	x
Perfluoroheptanoic acid (PFHpA)	375-85-9	x	x	x	x
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	x		x	x
Perfluorononanoic acid (PFNA)	375-95-1	x	x	x	x

## PFAS Compounds List (2 of 2)

Analyte	CAS Number	EPA 533	EPA 537.1	EPA 1633	GEL's Full List
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	x		x	x
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	x		x	x
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	4151-50-2			x	x
2-Perfluorohexyl ethanoic acid (6:2 FTA) (FHEA)	53826-12-3				x
2-Perfluorodecyl ethanoic acid (10:2 FTA) (FDEA)	53826-13-4				x
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5				Water only
Perfluorononane sulfonic acid (PFNS)	68259-12-1			x	x
Perfluorotridecanoic acid (PFTrDA)	72629-94-8		x	x	x
Perfluorooctane sulfonamide (PFOSAm)	754-91-6			x	x
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	x	x	x	x
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	x		x	x
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	x	x	x	x
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5			x	x
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	812-70-4			x	x
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	x		x	x
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3			x	x
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	x	x	x	x





# DoD Compliance Table B-15 Modified and EPA 537.1 Limits (1 of 2)

Analyte	CAS Number	MDL (ng/L)	LOD (ng/L)	LOQ (ng/L)	MDL (ug/Kg)	LOD (ug/Kg)	LOQ (ug/Kg)
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	1.32	2.64	3.84	0.33	0.66	0.96
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (Gen-X) <sup>1</sup>	13252-13-6	0.66	1.32	2	0.165	0.33	0.5
Perfluorooctadecanoic acid (PFODA)	16517-11-6	1.32	2.64	4	N/A	N/A	N/A
N-Ethylperfluorooctane sulfonamido ethanol (NETFOSE)	1691-99-2	1.32	2.64	4	0.395	0.79	1
Perfluorooctane sulfonic acid (PFOS) <sup>1</sup>	1763-23-1	0.76	1.52	2	0.2	0.4	0.5
Perfluoroundecanoic acid (PFUnDA) <sup>1</sup>	2058-94-8	0.66	1.32	2	0.165	0.33	0.5
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) <sup>1</sup>	2355-31-9	1.32	2.64	4	0.33	0.66	1
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	24448-09-7	1.32	2.64	4	0.39	0.78	1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.66	1.32	2	0.165	0.33	0.5
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.66	1.32	1.88	0.165	0.33	0.47
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	1.32	2.64	3.8	0.39	0.78	0.95
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) <sup>1</sup>	2991-50-6	1.32	2.64	4	0.275	0.55	1
Perfluorohexanoic acid (PFHxA) <sup>1</sup>	307-24-4	0.66	1.32	2	0.2	0.4	0.5
Perfluorododecanoic acid (PFDOA) <sup>1</sup>	307-55-1	0.66	1.32	2	0.165	0.33	0.5
N-Methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8	1.32	2.64	4	0.435	0.87	1
Perfluorooctanoic acid (PFOA) <sup>1</sup>	335-67-1	0.8	1.32	2	0.2	0.4	0.5
Perfluorodecanoic acid (PFDA) <sup>1</sup>	335-76-2	0.78	1.32	2	0.37	0.74	1
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.66	1.32	1.94	0.165	0.33	0.485
Perfluorohexane sulfonic acid (PFHxS) <sup>1</sup>	355-46-4	0.66	1.32	1.82	0.165	0.33	0.455
4,4,5,5,6,6-Heptafluorohexanoic acid (3:3 FTCA)	356-02-5	1.32	2.64	4	0.33	0.66	1
Perfluorobutanoic acid (PFBA)	375-22-4	0.8	1.6	2	0.2	0.4	0.5
Perfluorobutane sulfonic acid (PFBS) <sup>1</sup>	375-73-5	0.66	1.32	1.78	0.165	0.33	0.445
Perfluoroheptanoic acid (PFHpA) <sup>1</sup>	375-85-9	0.66	1.32	2	0.165	0.33	0.5
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.66	1.32	1.9	0.185	0.37	0.475
Perfluorononanoic acid (PFNA) <sup>1</sup>	375-95-1	0.66	1.32	2	0.165	0.33	0.5
Perfluorotetradecanoic acid (PFTDA) <sup>1</sup>	376-06-7	0.8	1.6	2	0.2	0.4	0.5
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	1.32	2.64	3.84	0.385	0.77	0.96

# DoD Compliance Table B-15 Modified and EPA 537.1 Limits (2 of 2)

Analyte	CAS Number	MDL (ng/L)	LOD (ng/L)	LOQ (ng/L)	MDL (ug/Kg)	LOD (ug/Kg)	LOQ (ug/Kg)
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	4151-50-2	1.32	2.64	4	0.41	0.82	1
Perfluorohexadecanoic acid (PFHxDA)	67905-19-5	1.32	2.64	4	N/A	N/A	N/A
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.66	1.32	1.92	0.165	0.33	0.48
Perfluorotridecanoic acid (PFTrDA) <sup>1</sup>	72629-94-8	0.66	1.32	2	0.165	0.33	0.5
Perfluorooctane sulfonamide (PFOSAm)	754-91-6	0.66	1.32	2	0.165	0.33	0.5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS) <sup>1</sup>	756426-58-1	0.66	1.32	1.864	0.165	0.33	0.466
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	1.32	2.64	3.76	0.4	0.8	0.94
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS) <sup>1</sup>	763051-92-9	0.66	1.32	1.884	0.165	0.33	0.471
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.66	1.32	1.936	0.165	0.33	0.484
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	812-70-4	1.32	2.64	4	0.33	0.66	1
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	914637-49-3	1.32	2.64	4	0.33	0.66	1
4,8-Dioxa-3H-perfluorononanoic acid (DONA) <sup>1</sup>	919005-14-4	0.66	1.32	2	0.165	0.33	0.5
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.66	2.64	2	0.165	0.33	0.5
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1.32	2.64	4	0.165	0.33	1
2-Perfluorooctyl ethanoic acid (8:2 FTA) (FOEA)	27854-31-5	1.32	2.64	4	0.33	0.66	1
Perfluorobutylsulfonamide (FBSA)	30334-69-1	1.32	2.64	4	0.165	0.33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	1.32	2.64	4	0.33	0.66	1
2-Perfluorohexyl ethanoic acid (6:2 FTA) (FHEA) <sup>1</sup>	53826-12-3	1.32	2.64	4	0.33	0.66	1
2-Perfluorodecyl ethanoic acid (10:2 FTA) (FDEA) <sup>1</sup>	53826-13-4	1.32	2.64	4	0.33	0.66	1
Perfluoro-4-methoxybutanoic acid (PFMBA) <sup>1</sup>	863090-89-5	1.32	2.64	4	0.33	0.66	1

1. EPA 537.1 Drinking Water Only



## EPA 533 Drinking Water Limits

Analyte	CAS Number	MDL (ng/L)	LOD (ng/L)	LOQ (ng/L)
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.7019	1.4038	2
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	13252-13-6	0.68788	1.37576	2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1.32	2.64	4
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.66	1.32	2
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.66	1.32	2
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.66	1.32	2
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.66	1.32	1.88
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	1.32	2.64	3.8
Perfluorohexanoic acid (PFHxA)	307-24-4	0.66	1.32	2
Perfluorododecanoic acid (PFDOA)	307-55-1	0.66	1.32	2
Perfluorooctanoic acid (PFOA)	335-67-1	0.66	1.32	2
Perfluorodecanoic acid (PFDA)	335-76-2	0.66	1.32	2
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.66	1.32	1.82
Perfluorobutanoic acid (PFBA)	375-22-4	0.66	1.32	2
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.66	1.32	1.78
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.66	1.32	2
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.66	1.32	1.9
Perfluorononanoic acid (PFNA)	375-95-1	0.66	1.32	2
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	1.32	2.64	4
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	1.32	2.64	3.84
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	0.66	1.32	1.864
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	1.32	2.64	3.76
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	0.66	1.32	1.884
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	1.32	2.64	4
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	0.66	1.32	2





## EPA Method 1633 Limits (1 of 2)

Analyte	CAS Number	Liquid (ng/L)		Solid (ug/kg)		Tissue (ug/kg)	
		MDL	PQL	MDL	PQL	MDL	PQL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	1.1867	3.56	0.11867	0.356	0.59335	1.78
Hexafluoropropyleneoxide dimer acid (HFPO-DA)(Gen-X)	13252-13-6	2.6667	8	0.26667	0.8	1.33335	4
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	1.3333	4	0.13333	0.4	0.66665	2
N-Ethylperfluorooctane sulfonamido ethanol (NEtFOSE)	1691-99-2	6.6667	20	0.66667	2	3.33335	10
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.6187	1.856	0.06187	0.1856	0.30935	0.928
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.6667	2	0.06667	0.2	0.33335	1
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	2355-31-9	0.6667	2	0.06667	0.2	0.33335	1
N-Methylperfluorooctane sulfonamido ethanol (NMeFOSE)	24448-09-7	6.6667	20	0.66667	2	3.33335	10
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.6667	2	0.06667	0.2	0.33335	1
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.6273	1.882	0.06273	0.1882	0.31365	0.941
1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	2.5333	7.6	0.25333	0.76	1.26665	3.8
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	2991-50-6	0.6667	2	0.06667	0.2	0.33335	1
Perfluorohexanoic acid (PFHxA)	307-24-4	0.6667	2	0.06667	0.2	0.33335	1
Perfluorododecanoic acid (PFDOA)	307-55-1	0.6667	2	0.06667	0.2	0.33335	1
N-Methylperfluorooctane sulfonamide (NMeFOSA)	31506-32-8	0.6667	2	0.06667	0.2	0.33335	1
Perfluorooctanoic acid (PFOA)	335-67-1	0.6667	2	0.06667	0.2	0.33335	1
Perfluorodecanoic acid (PFDA)	335-76-2	0.6667	2	0.06667	0.2	0.33335	1
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.6433	1.93	0.06433	0.193	0.32165	0.965
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.6093	1.828	0.06093	0.1828	0.30465	0.914
3-Perfluoropropyl propanoic acid (FPrPA)	356-02-5	2.6667	8	0.26667	0.8	1.33335	4
Perfluorobutanoic acid (PFBA)	375-22-4	2.6667	8	0.26667	0.8	1.33335	4
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.5913	1.774	0.05913	0.1774	0.29565	0.887
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.6667	2	0.06667	0.2	0.33335	1
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.6353	1.906	0.06353	0.1906	0.31765	0.953
Perfluorononanoic acid (PFNA)	375-95-1	0.6667	2	0.06667	0.2	0.33335	1
Perfluorotetradecanoic acid (PFTDA)	376-06-7	0.6667	2	0.06667	0.2	0.33335	1

## EPA Method 1633 Limits (2 of 2)

Analyte	CAS Number	Liquid (ng/L)		Solid (ug/kg)		Tissue (ug/kg)	
		MDL	PQL	MDL	PQL	MDL	PQL
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	1.3333	4	0.13333	0.4	0.66665	2
1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	2.56	7.68	0.256	0.768	1.28	3.84
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	4151-50-2	0.6667	2	0.06667	0.2	0.33335	1
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.6431	1.924	0.064	0.1924	0.32	0.962
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.6667	2	0.06667	0.2	0.33335	1
Perfluorooctane sulfonamide (PFOSAm)	754-91-6	0.6667	2	0.06667	0.2	0.33335	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	756426-58-1	2.4933	7.48	0.24933	0.748	1.24665	3.74
1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	2.5	7.5	0.25	0.75	1.25	3.75
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	763051-92-9	2.52	7.56	0.252	0.756	1.26	3.78
Perfluorododecane sulfonic acid (PFDoS)	79780-39-5	0.6467	1.94	0.06467	0.194	0.32335	0.97
3-Perfluoroheptyl propanoic acid (FHpPA)	812-70-4	13.3333	40	1.33333	4	6.66665	20
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	1.3333	4	0.13333	0.4	0.66665	2
3-Perfluoropentyl propanoic acid (FPePA)	914637-49-3	13.3333	40	1.33333	4	6.66665	20
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	2.52	7.56	0.252	0.756	1.26	3.78