

**Reporting Limits  
for LC/MS/MS analysis of Per- and Polyfluorinated Alkyl Acids by  
Department of Defense Quality Systems Manual (Version 5.1 or later)**

Chemical Name	Abbreviation	Chemical Abstracts Service (CAS) No.	Aqueous: Landfill Leachate (ng/L)	Aqueous: Groundwater (ng/L)	Solid: Soil (µg/kg)
Hexafluoropropylene Oxide Dimer Acid	HFPO-DA	13252-13-6	200.0	20.00	5.0
10:2 Fluorotelomer sulfonic acid	10:2 FTS	120226-60-0	80.0	8.0	2.0
Perfluorooctadecanoic acid	PFODA	16517-11-6	80.0	8.0	2.0
N-Ethyl perfluorooctane sulfonamide ethanol	EtFOSE	1691-99-2*	80.0	8.0	2.0
Perfluorooctane sulfonic acid	PFOS	1763-23-1	50.0	5.0	1.0
Perfluoroundecanoic acid	PFUnDA	2058-94-8	50.0	5.0	1.0
N-Methyl perfluorooctane sulfonamidoacetic acid	NMeFOSAA	2355-31-9	200.0	20.0	2.5
N-Methyl perfluorooctane sulfonamide ethanol	MeFOSEm	24448-09-7	80.0	8.0	2.0
Perfluoropentanoic acid	PFPeA	2706-90-3	50.0	5.0	1.0
Perfluoropentane sulfonic acid	PFPeS	2706-91-4	50.0	5.0	2.0
6:2 Fluorotelomer sulfonic acid	6:2 FTS	27619-97-2	200.0	20.0	2.5
N-Ethyl perfluorooctane sulfonamidoacetic acid	NEtFOSAA	2991-50-6	200.0	20.0	2.0
Perfluorohexanoic acid	PFHxA	307-24-4	50.0	5.0	1.0
Perfluorododecanoic acid	PFDoDA	307-55-1	50.0	5.0	1.0
N-Methyl perfluorooctane sulfonamide	MeFOSA	31506-32-8	80.0	8.0	2.0
Perfluorooctanoic acid	PFOA	335-67-1	50.0	5.0	1.0
Perfluorodecanoic acid	PFDA	335-76-2	50.0	5.0	1.0
Perfluorodecane sulfonic acid	PFDS	335-77-3	50.0	5.0	1.0
2H,2H,3H,3H-Perfluorohexanoic acid	3:3 FTCA	356-02-5	80.0	8.0	5.0
Perfluorohexane sulfonic acid	PFHxS	355-46-4	50.0	5.0	1.0
Perfluorobutanoic acid	PFBA	375-22-4	80.0	8.0	1.0
Perfluorobutane sulfonic acid	PFBS	375-73-5	50.0	5.0	1.0
Perfluoroheptanoic acid	PFHpA	375-85-9	50.0	5.0	1.0
Perfluoroheptane sulfonic acid	PFHpS	375-92-8	50.0	5.0	1.0
Perfluorononanoic acid	PFNA	375-95-1	50.0	5.0	1.0
Perfluorotetradecanoic acid	PFTeDA	376-06-7	80.0	8.0	2.0
2H,2H,3H,3H-Perfluorodecanoic acid	7:3 FTCA	812-70-4	80.0	8.0	5.0
8:2 Fluorotelomer sulfonic acid	8:2 FTS	39108-34-4	200.0	20.0	2.0
N-Ethyl perfluorooctane sulfonamide	EtFOSAm	4151-50-2	80.0	8.0	2.0
Perfluorononane sulfonic acid	PFNS	474511-07-4	80.0	8.0	5.0
Perfluorohexadecanoic acid	PFHxDA	67905-19-5	80.0	8.0	2.0
Perfluorotridecanoic acid	PFTrDA	72629-94-8	50.0	5.0	1.0

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Perfluorooctanesulfonamide	PFOSAm	754-91-6	80.0	8.0	1.0
4:2 Fluorotelomer sulfonic acid	4:2 FTS	757124-72-4	200.0	20.0	2.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9-Cl-PF3ONS	756426-58-1	80.0	8.0	5.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11-Cl-PF3OUdS	763051-92-9	80.0	8.0	5.0
2H,2H,3H,3H-Perfluorooctanoic acid	5:3 FTCA	914637-49-3	80.0	8.0	5.0
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4	80.0	8.0	5.0

ng/L = nanogram per liter

µg/kg = microgram per kilogram