



Detection of PFAS contaminants after filtration with Millex® PES and nylon devices using modified EPA 537.1.

Compound	Abbreviation(s)	Standard	RL (ppb)	MDL (ppb)	Millipore® SLGP 0.2 µm PES (AVE of 3 lots) ^a	Millipore® SLHP 0.45 µm PES (AVE of 3 lots) ^a	Millipore® SLGN 0.2 µm nylon (AVE of 3 lots) ^a	Millipore® SLGNM 0.2 µm nylon-HPF (AVE of 2 lots) ^a
Perfluoroalkyl Carboxylic Acids								
Perfluoro-n-butanoic acid	PFBA	¹³ C ₄ -PFBA	0.0040	0.0020	ND	ND	ND	ND
Perfluoro-n-pentanoic acid	PFPeA	¹³ C ₅ -PFPeA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-hexanoic acid	PFHxA	¹³ C ₅ -PFHxA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-heptanoic acid	PFHpA	¹³ C ₄ -PFHpA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-octanoic acid	PFOA	¹³ C ₈ -PFOA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-nonanoic acid	PFNA	¹³ C ₉ -PFNA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-decanoic acid	PFDA	¹³ C ₆ -PFDA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-undecanoic acid	PFUnDA	¹³ C ₇ -PFUnA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-dodecanoic acid	PFDoDA	¹³ C ₂ -PFDoA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-tridecanoic acid	PFTTrDA	¹³ C ₂ -PFTeDA / ¹³ C ₂ -PFDoA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-tetradecanoic acid	PFTeDA	¹³ C ₂ -PFTeDA	0.0020	0.0010	ND	ND	ND	ND
Perfluoroalkyl Sulfonic Acids								
Perfluoro-n-butanesulfonic acid	PFBS	¹³ C ₃ -PFBS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-pentanesulfonic acid	PFPeS	¹³ C ₃ -PFHxS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-hexanesulfonic acid	PFHxS	¹³ C ₃ -PFHxS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-heptanesulfonic acid	PFHpS	¹³ C ₆ -PFOS	0.0020	0.0010	ND	ND	ND	ND

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Perfluoro-n-octanesulfonic acid	PFOS	¹³ C ₈ -PFOS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-nonanesulfonic acid	PFNS	¹³ C ₈ -PFOS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-decanesulfonic acid	PFDS	¹³ C ₈ -PFOS	0.0020	0.0010	ND	ND	ND	ND
Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid	4:2 FTS / 4:2 FTSA	¹³ C ₂ -4:2FTS	0.0080	0.0020	ND	ND	ND	ND
6:2 Fluorotelomer sulfonic acid	6:2 FTS / 6:2 FTSA	¹³ C ₂ -6:2FTS	0.0080	0.0020	ND	ND	ND	ND
8:2 Fluorotelomer sulfonic acid	8:2 FTS / 8:2 FTSA	¹³ C ₂ -8:2FTS	0.0080	0.0020	ND	ND	ND	ND
Perfluorooctane Sulfonamides								
Perfluorooctane esulfonamide	PFOSA / FOSA	¹³ C ₈ -FOSA	0.0040	0.0020	ND	ND	ND	ND
Perfluorooctane Sulfonamidoacetic Acids								
N-methyl Perfluorooctane sulfonamidoacetic acid	N-MeFOSAA	D ₃ -NMeFOSAA	0.0040	0.0020	ND	ND	ND	ND
N-ethyl Perfluorooctane sulfonamidoacetic acid	N-EtFOSAA	D ₅ -NEtFOSAA	0.0040	0.0020	ND	ND	ND	ND
Per and Polyfluoroether Carboxylic Acids								
Hexafluoropropylene oxide dimer acid	GenX / HFPO-DA	¹³ C ₃ -HFPO-DA	0.0040	0.0020	ND	ND	ND	ND
4,8-Dioxa-3H-perfluorononanoic acid	ADONA / DONA	¹³ C ₃ -HFPO-DA	0.0080	0.0020	ND	ND	ND	ND
Per and Polyfluoroether Sulfonic Acids								
Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9CI-PF3ONS	¹³ C ₃ -HFPO-DA	0.0080	0.0020	ND	ND	ND	ND
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11CI-PF3OUdS	¹³ C ₃ -HFPO-DA	0.0080	0.0020	ND	ND	ND	ND

^aThree replicate devices per lot tested, no PFAS compound detected in any lot above RL or MDL

Abbreviations: RL = reporting limit; MDL = minimum detection limit; HPF = high particulate filter; ND = not detected

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