



Detection of PFAS contaminants after filtration with hydrophobic or hydrophilic 0.2 µm and 0.45 µm polypropylene disc filters in Swinnex® devices using modified EPA 537.1.

Compound	Abbreviation(s)	Standard	RL (ppb)	MDL (ppb)	Millipore® PPTG Hydrophobic PP, 0.2 µm (AVE of 3 devices) ^a	Millipore® PPTH Hydrophobic PP, 0.45 µm (AVE of 3 devices) ^a	Millipore® PPHG Hydrophilic PP, 0.2 µm (AVE of 3 devices) ^a	Millipore® PPHH Hydrophilic PP, 0.45 µm (AVE of 2 devices) ^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 ₆ -PFHxA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-heptanoic acid	PFHpA	¹³ C ₇ -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 ₁₀ -PFDA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-undecanoic acid	PFUnDA	¹³ C ₁₁ -PFUnA	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-dodecanoic acid	PFDoDA	¹³ C ₁₂ -PFDoA	0.0020	0.0010	ND ^b	ND ^b	ND	ND
Perfluoro-n-tridecanoic acid	PFTTrDA	¹³ C ₁₃ -PFTTrDA / ¹³ C ₁₂ -PFDoA	0.0020	0.0010	ND ^b	ND ^b	ND	ND
Perfluoro-n-tetradecanoic acid	PFTeDA	¹³ C ₁₄ -PFTeDA	0.0020	0.0010	ND ^b	ND ^b	ND	ND
Perfluoroalkyl Sulfonic Acids								
Perfluoro-n-butanesulfonic acid	PFBS	¹³ C ₄ -PFBS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-pentanesulfonic acid	PFPeS	¹³ C ₅ -PFHxS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-hexanesulfonic acid	PFHxS	¹³ C ₆ -PFHxS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-heptanesulfonic acid	PFHpS	¹³ C ₇ -PFOS	0.0020	0.0010	ND	ND	ND	ND
Perfluoro-n-octanesulfonic acid	PFOS	¹³ C ₈ -PFOS	0.0020	0.0010	ND	ND	ND	ND

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Perfluoro-n-n onanesulfonic 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 sulfonamide	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 ^b	ND ^b	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	9Cl-PF3ONS	¹³ C ₃ -HFPO-DA	0.0080	0.0020	ND	ND	ND	ND
11-Chloroeicosafluoro-3- oxaundecane-1- sulfonic acid	11Cl-PF3OUdS	¹³ C ₃ -HFPO-DA	0.0080	0.0020	ND	ND	ND	ND

^aThree replicate devices per lot tested, one lot per catalog number tested

^bAssociated ID standard outside of control limits for all three devices tested; 13C2-PFDoDA, 13C2-PFTeDA, d5-EtFOSAA

Abbreviations: RL = reporting limit; MDL = minimum detection limit; PP = polypropylene; philic = hydrophilic; phobic = hydrophobic; ND = not detected

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