



Detection of PFAS contaminants using Millipore® AP-40 glass fiber filters as the particulate filter fraction in the sampling train for OTM-45 testing of PFAS compounds in air emissions from stationary sources.

Compound	Abbreviation	RL (ng/ sample)	Millipore® AP-40 Glass Fiber Filters		Competitor Disc Filter
			Lot 1, per disc ^a	Lot 2, per disc ^a	Lot 1, per disc ^a
Perfluoroalkyl Carboxylic Acids					
Perfluoro-n-heptanoic acid	PFHpA	1.00	ND ^b	ND ^b	ND ^b
Perfluoro-n-butanoic acid	PFBA	2.00	ND	ND	ND
Perfluoro-n-pentanoic acid	PFPeA	1.00	ND	ND	ND
Perfluoro-n-hexanoic acid	PFHxA	1.00	ND ^b	ND ^b	ND
Perfluoro-n-octanoic acid	PFOA	1.00	ND	ND	ND
Perfluoro-n-nonanoic acid	PFNA	1.00	ND	ND	ND
Perfluoro-n-decanoic acid	PFDA	1.00	ND	ND	ND
Perfluoro-n-undecanoic acid	PFUnDA	1.00	ND	ND	ND
Perfluoro-n-dodecanoic acid	PFDoDA	1.00	ND	ND	ND
Perfluoro-n-tridecanoic acid	PFTTrDA	1.00	ND	ND	ND
Perfluoro-n-tetradecanoic acid	PFTeDA	1.00	ND	ND	ND
Perfluorohexadecanoic	PFHxDA	1.00	ND	ND	ND
Perfluorooctadecanoic	PFODA	1.00	ND	ND	ND

Compound	Abbreviation	RL (ng/ sample)	Millipore® AP-40 Glass Fiber Filters		Competitor Disc Filter
			Lot 1, per disc ^a	Lot 2, per disc ^a	Lot 1, per disc ^a
Perfluoroalkyl Sulfonic Acids					
Perfluoro-n-butanesulfonic acid	PFBS	1.00	ND	ND	ND
Perfluoro-n-pentanesulfonic acid	PFPeS	1.00	ND	ND	ND
Perfluoro-n-hexanesulfonic acid	PFHxS	1.00	ND	ND	ND
Perfluoro-n-heptanesulfonic acid	PFHpS	1.00	ND	ND	ND
Perfluoro-n-octanesulfonic acid	PFOS	1.00	ND ^b	ND ^b	ND ^b
Perfluoro-n-nonanesulfonic acid	PFNS	1.00	ND	ND	ND
Perfluoro-n-decanesulfonic acid	PFDS	1.00	ND	ND	ND
Perfluoro-n-dodecanesulfonic acid	PFDoS	1.00	ND	ND	ND

^aValues represent concentration of PFAS analytes on a per disc basis from an extraction of n=3 discs; ^b Concentration per disc estimated to be between RL and method detection limit (MDL)

Abbreviations: RL = reporting limit (ppb); ND = not detected above the reporting limit (RL)



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