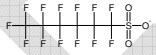
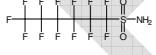

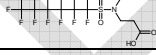







Standard Name: 3M Fluorocarbon Analytical Standard #1						
Purposes: For quantitative analysis of PFAS related to historical AFFF						
Substance Acronym [1]	Chemical Name	Molecular Formula	Chemical Structure	3M ID	CAS No.	Concentration (µg/L; ppb) [2,3]
PFHxS	Sodium, Perfluorohexanesulfonate	C ₆ F ₁₃ NaO ₃ S		PFHxS	82382-12-5	500
FHxSA	Perfluorohexanesulfonamide	C ₆ H ₂ F ₁₃ NO ₂ S		FHxSA	41997-13-1	500
PFHxSaAm	N-[3-(dimethylamino)propyl]-perfluorohexane-1-sulfonamide	C ₁₁ H ₁₃ F ₁₃ N ₂ O ₂ S		PHSA	50598-28-2	500
PFHxSaAmA (Isomer 1)	3-((N-(3-(dimethylamino)propyl)-perfluorohexyl)sulfonamido)propanoic acid	C ₁₄ H ₁₇ F ₁₃ N ₂ O ₄ S		PHSA-C1	141607-32-1	500
PFHxSaAmA (Isomer 2)	3-(dimethyl(3-((perfluorohexyl)sulfonamido)propyl)ammonio)propanoate	C ₁₄ H ₁₇ F ₁₃ N ₂ O ₄ S		PHSA-C2	81190-41-2	500
PFHxSaAmDA	3-((3-((N-(2-carboxyethyl)-perfluorohexyl)sulfonamido)propyl)-dimethylammonio)propanoate	C ₁₇ H ₂₁ F ₁₃ N ₂ O ₆ S		PHSA-DC	756771-34-3	500
PBSaAm	N-[3-(dimethylamino)propyl]-perfluorobutane-1-sulfonamide	C ₉ H ₁₃ F ₉ N ₂ O ₂ S		PBSA	68555-77-1	500
PBSaAmA (Isomer 1)	3-((N-(3-(dimethylamino)propyl)-perfluorobutyl)sulfonamido)propanoic acid	C ₁₂ H ₁₇ F ₉ N ₂ O ₄ S		PBSA-C1	172616-04-5	500
PBSaAmDA	3-((3-((N-(2-carboxyethyl)-perfluorobutyl)sulfonamido)propyl)-dimethylammonio)propanoate	C ₁₅ H ₂₁ F ₉ N ₂ O ₆ S		PBSA-DC	225460-13-7	120

[1] Acronym is based on a best fit to nomenclature described by Barzen-Hanson *et al.* 2017. *Env. Sci. Technol.* 51:2047-2057.
[2] Standard concentration is provided in methanol
[3] The concentration of the substance in the standard is based on the chemical structure, as shown.
Note: The substance is provided in sealed pre-scored ampules, use caution when opening glass ampules. Use a glass pipette to transfer entire liquid volume (nominal 1-mL) to a secondary container prior to use.