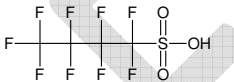
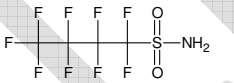

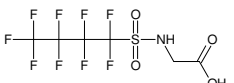
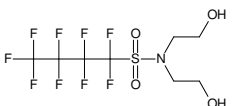


**Standard Name:** 3M Fluorocarbon Analytical Standard #4

**Purposes:** For quantitative analysis of C4 PFAS

Substance Acronym <sup>[1]</sup>	Chemical Name	Molecular Formula	Chemical Structure	3M ID	CAS No.	Concentration ( $\mu\text{g/L}$ ; ppb) <sup>[2,3]</sup>
PFBS	Potassium, Perfluorobutanesulfonate	$\text{C}_4\text{F}_9\text{KO}_3\text{S}$		PFBS	29420-49-3	500
FBSA	Perfluorobutanesulfonamide	$\text{C}_4\text{H}_2\text{F}_9\text{NO}_2\text{S}$		FBSA	30334-69-1	500
FBSE	2-(Perfluorobutanesulfonamido)ethanol	$\text{C}_6\text{H}_6\text{F}_9\text{NO}_3\text{S}$		HFBSA ALCOHOL	34454-99-4	500
FBSAA	2-(Perfluorobutanesulfonamido)acetic acid	$\text{C}_6\text{H}_4\text{F}_9\text{NO}_4\text{S}$		FBSAA	1910057-70-3	500
FBSEE	[(N,N-bis(2-hydroxyethyl))perfluorobutanesulfonamide]	$\text{C}_8\text{H}_{10}\text{F}_9\text{NO}_4\text{S}$		FBSEE DIOL	34455-00-0	500

[1] The acronym is based on nomenclature described by Buck *et al.* 2011. *Integ. Environ. Assess. Manag.* 7:513-541

[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.