



Biomarker Focus 54: PAPS

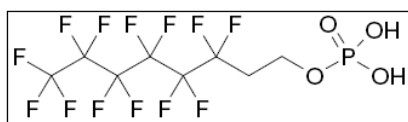
Telomeric 6:2, 8:2 and 10:2 mono-, di- and tri-polyfluoroalkyl phosphate esters

It is recommended that the EU member states (recommendation 2010/161/EU, 17 March 2010) carry out the analysis of perfluoro-alkylated substances including PERFLUOROPHOSPHATE SURFACTANTS such as 8:2 mono-PAPS and 8:2 di-PAPS in order to relevance their presence in food.

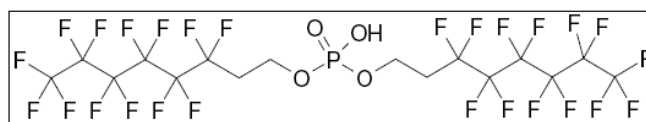


Chiron has developed the first series of telomeric PAPS as reference standards, as well as

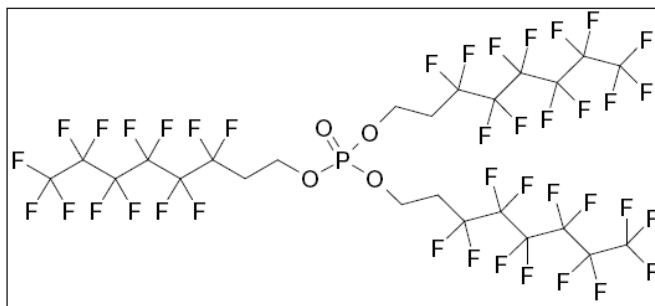
6:2 Mono-PAPS



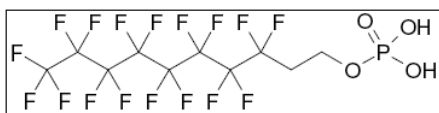
6:2 Di-PAPS



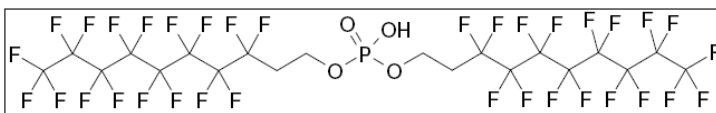
6:2 Tri-PAPS



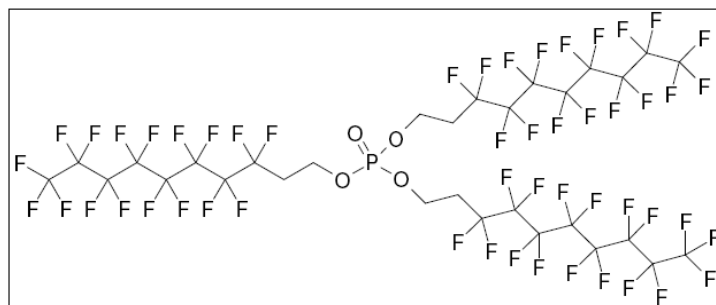
8:2 Mono-PAPS



8:2 Di-PAPS

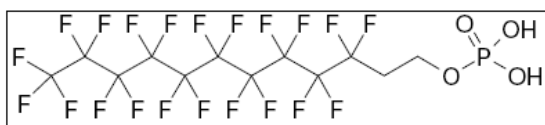


8:2 Tri-PAPS

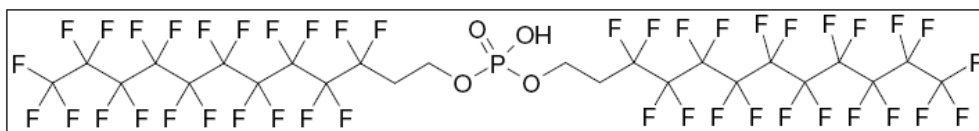




10:2 Mono-PAPS



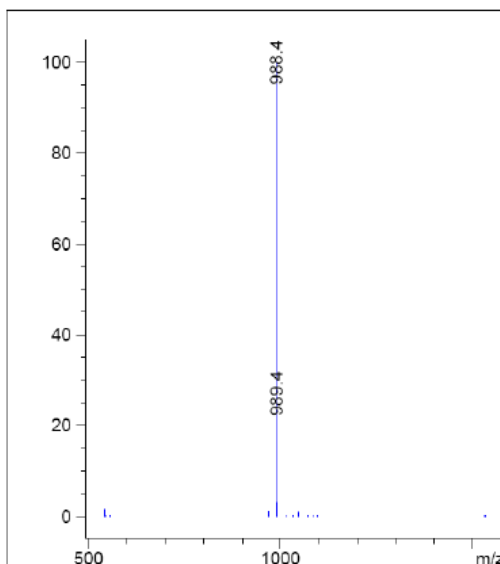
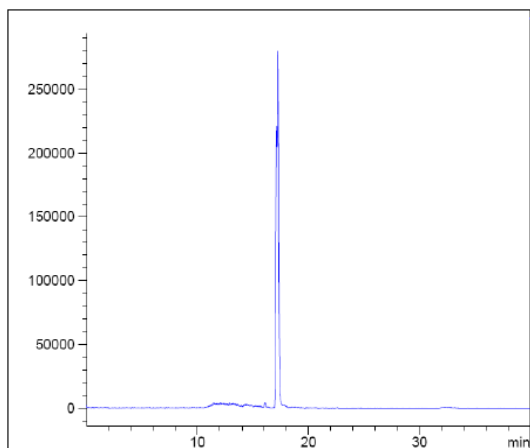
10:2 Di-PAPS



All native PAPS are available as neat (50 µg and 10 mg). All labeled PAPS are available as neat (50 µg and 5 mg). 50ug quantities can be used as qualitative standard. Please inquire.

Chiron No.	Native PAPS	Chiron No.	Internal Standards
9563.8	6:2 Mono-PAPS		
9564.16	6:2 Di-PAPS	9928.16	6:2 Di-PAPS-d4
9565.24	6:2 Tri-PAPS		
9391.10	8:2 Mono-PAPS		
9392.20	8:2 Di-PAPS	9929.20	8:2 Di-PAPS-d4
9394.30	8:2 Tri-PAPS		
9566.12	10:2 Mono-PAPS		
9393.24	10:2 Di-PAPS	9930.24	10:2 Di-PAPS-d4

Chromatogram and MS of 8:2 Di-



Reference:

Jessica C. D'eon and Scott A. Mabury. *Environ. Sci. Technol.* 2007, 41 4799-