

MS-8 Perfluorinated Alkyl Substances (PFASs) in Sediment					
Year	2021	Number of Rounds / Year	2	Number of Materials	2
Distribution	April, October (10 laboratories expected)				
Participation fee	€625,=				

Introduction

This study covers the determination of perfluorinated alkyl substances (PFASs) in sediment.

Test Materials

The test materials cover a range of natural sediments from contaminated waters from the North Sea and/or Mediterranean. Each batch of material is prepared in bulk. The level of within and between sample homogeneity for the sediment is determined. All materials show to be homogeneous and stable for the purpose of the test.

Determinands and concentration ranges

The PFASs can to be determined are given in the table below.

The table also shows:

- The expected concentration range for the determinands in the test materials.
- The constant and proportional error that will be used for assessment of the results.

Where available the AA-EQS (EU-WFD) is given.

Determinand	Unit	Concentration Range	Error		AA-EQS
			Const	Prop	
PFOS	µg/kg	0.05 - 2	0.005	12.5%	
PFBA	µg/kg		0.005	12.5%	
PFPeA	µg/kg		0.005	12.5%	
PFHxA	µg/kg		0.005	12.5%	
PFHpA	µg/kg		0.005	12.5%	
PFOA	µg/kg		0.005	12.5%	
PFNA	µg/kg		0.005	12.5%	
PFDA	µg/kg		0.005	12.5%	
PFUnA	µg/kg	0.001—1	0.005	12.5%	
PFDoA	µg/kg	0.001—0.1	0.005	12.5%	
PFTTrA	µg/kg	0.01—0.1	0.005	12.5%	
PFTeA	µg/kg	0.001 - 1	0.005	12.5%	
L-PFBS**	µg/kg		0.005	12.5%	
L-PFHxS**	µg/kg		0.005	12.5%	
L-PFHpS**	µg/kg		0.005	12.5%	
PFOSA	µg/kg	0.01—1	0.005	12.5%	
PFDS	µg/kg		0.005	12.5%	
PFODA	µg/kg		0.005	12.5%	

These determinands are not in the scope of the accreditation.