

BT-10 Perfluorinated Alkyl Substances (PFASs) in Biota					
Year	2021	Number of Rounds / Year	2	Number of Materials	2
Distribution	April, October (10 laboratories expected)				
Participation fee	€750,=				

Introduction

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

Test Materials

The test materials cover a range of natural unspiked biota types.

Wet biota test materials are homogenised and sterilised by autoclaving. Biota test materials have been shown to be stable over a number of years when stored at room temperature.

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
		Biota	Const	Prop	
n-PFOS	µg/kg	0.1 - 1000	0.1	12.5%	9.1
PFBA	µg/kg	0.01 - 2	0.1	12.5%	
PFPeA	µg/kg	0.01 - 2	0.1	12.5%	
PFHxA	µg/kg	0.01 - 2	0.1	12.5%	
PFHpA	µg/kg	0.01 - 2	0.1	12.5%	
PFOA	µg/kg	0.01 - 5	0.1	12.5%	
PFNA	µg/kg	0.01 - 5	0.1	12.5%	
PFDA	µg/kg	0.01 - 10	0.1	12.5%	
PFUnA	µg/kg	0.01 - 10	0.1	12.5%	
PFDoA	µg/kg	0.01 - 5	0.1	12.5%	
PFTTrA	µg/kg	0.01 - 5	0.1	12.5%	
PFTeA	µg/kg	0.01 - 5	0.1	12.5%	
L-PFBS**	µg/kg	0.01 - 10	0.1	12.5%	
L-PFHxS**	µg/kg	0.01 - 5	0.1	12.5%	
L-PFHpS**	µg/kg	0.01 - 5	0.1	12.5%	
PFOSA	µg/kg	0.01 - 50	0.1	12.5%	
PFDS	µg/kg		0.1	12.5%	
PFODA	µg/kg		0.1	12.5%	
Total-PFOS	µg/kg	0.1 - 1000	0.1	12.5%	9.1
GenX	µg/kg		0.1	12.5%	
B53F	µg/kg		0.1	12.5%	
PFBSA	µg/kg		0.1	12.5%	
PFHxSA	µg/kg		0.1	12.5%	
NMeFOSAA	µg/kg		0.1	12.5%	
NEtFOSAA	µg/kg		0.1	12.5%	

These determinands are not in the scope of the accreditation.