BT-10 Perfluorinated Alkyl Substances (PFAS) in Biota	
Year: 2024	Participants: 10 laboratories expected
Number of rounds: 2 per year	Start exercise: 1 April, 1 October
Number of materials: 2 per round	Sample size: 30-50 g

Participation form | Timetable | PT Scheme | Costs

This study covers the determination of perfluorinated alkyl substances (PFAS) 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 PFAS 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.

Determinand*	Unit	Concentration Range	Error	
		Biota	Const	Prop
n-PFOS	µg/kg	0.1-1000	0.15	25.0%
PFBA	µg/kg	0.01-2		
PFPeA	µg/kg	0.01-2		
PFHxA	µg/kg	0.01-2		
PFHpA	µg/kg	0.01-2		
PFOA	µg/kg	0.01-5		
PFNA	µg/kg	0.01-5	0.05	15.0%
PFDA	µg/kg	0.01-10	0.1	15.0%
PFUnDA	µg/kg	0.01-10	0.15	15.0%
PFDoA	µg/kg	0.01-5	0.1	20.0%
PFTrDA	µg/kg	0.01-5		
PFTeDA	µg/kg	0.01-5		
L-PFBS	µg/kg	0.01-10		
L-PFHxS	µg/kg	0.01-5		
L-PFHpS	µg/kg	0.01-5		
PFOSA	µg/kg	0.01-50		
PFDS	µg/kg			
PFODA	µg/kg			
Total-PFOS	µg/kg	0.1-1000	0.3	25.0%

Determinand*	Unit	Concentration Range	Error	
		Biota	Const	Prop
GenX	µg/kg			
F-53B	µg/kg			
PFBSA	µg/kg			
PFHxSA	µg/kg			
NMeFOSAA	µg/kg			
NEtFOSAA	µg/kg			
Total-PFBS	µg/kg	0.01-10		
Total-PFHxS	µg/kg	0.01-5		
Total-PFHpS	µg/kg	0.01-5		

* This exercise is not in the scope of accreditation.