BT-9 Brominated Flame Retardants in Biota	
Year: 2024	Participants: 25 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 brominated flame retardants (BFRs) 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 BFRs 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
BDE28	µg/kg	0.001-1	0.01	20.0%
BDE47	µg/kg	0.05-40	0.05	15.0%
BDE49	µg/kg			
BDE66	µg/kg	0.01-10	0.02	20.0%
BDE85	µg/kg	0.01-10		
BDE99	µg/kg	0.01-10	0.02	20.0%
BDE126	µg/kg			
BDE100	µg/kg	0.005-10	0.02	25.0%
BDE153	µg/kg	0.01-2	0.02	22.5%
BDE154	µg/kg	0.001-5	0.01	20.0%
BDE183	µg/kg	0.001-1	0.03	25.0%
BDE209	µg/kg	0.01-1		
TBBP-A	µg/kg	0.01-1		
Dimethyl-TBBP-A	µg/kg			
α-HBCD	µg/kg	0.01-1		
β-HBCD	µg/kg	0.01-1		
γ-HBCD	µg/kg	0.01-1		
Total-HBCD	µg/kg	0.01-2		
BTBPE	µg/kg			
DBDPE	µg/kg			

Determinand*	Unit	Concentration range	Error	
		Biota	Const	Prop
HBBz	µg/kg			
Total lipid	%		0.4	7.5%

* Determinands which are not in bold are not in the scope of accreditation