

BT-8 Organotin in Biota	
Year: 2024	Participants: 15 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 organotin compounds in biota test materials. As we expect relatively low number of participants, this exercise can only be joined for both rounds

Test Materials

The test materials cover a range of natural biota species from contaminated waters from the North Sea and/or Mediterranean. The supplied wet biota test materials are homogenised and sterilised by autoclaving. These biota test materials have been shown to be stable over a number of years when stored at room temperature.

Determinands and Concentration Ranges

The organotin compounds 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
Tributyltin (TBT)	µg Sn/kg	0.2-50	0.01	25.0%
Dibutyltin (DBT)	µg Sn/kg	0.1-10	0.01	25.0%
Monobutyltin (MBT)	µg Sn/kg	0.5-30	0.3	25.0%
Triphenyltin (TPhT)	µg Sn/kg	0.1-10		
Diphenyltin (DPhT)	µg Sn/kg	0.1-5		
Monophenyltin (MPhT)	µg Sn/kg	0.1-5		

* This exercise is not in the scope of accreditation.