BT-2 Chlorinated Organics in Biota					
Year	**2021**	**Number of Rounds / Year**	**2**	**Number of**	**2**
Distribution		**April, October** (40 laboratories expected)			
Participation fee		**€750,=**			

Introduction

This study covers the determination poly chlorinated biphenyls (PCB's), organochlorine pesticides (OCP's), total and extractable lipid in biota test materials.

Test Materials

The test materials cover a range of natural biota species from contaminated waters from the North Sea and/or Mediterranean. The supplied biota test materials can consist of fish muscle, fish liver and shellfish tissue. 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 organochlorines 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		EQS
		Fish Liver tissue and Freshwater Fish	Fish Muscle Tissue	Shellfish Tissue	Const	Prop	
PCB28	µg/kg	0.5—50	0.05—5	0.05—5	0.025	12.5%	
PCB31	µg/kg	0.5—10	0.03—3	0.03—3	0.025	12.5%	
PCB52	µg/kg	2—100	0.05—20	0.05—5	0.025	12.5%	
PCB101	µg/kg	10—300	0.1—50	0.1—20	0.025	12.5%	
PCB105	µg/kg	2—100	0.05—10	0.05—10	0.025	12.5%	
PCB118	µg/kg	10—300	0.2—30	0.2—20	0.025	12.5%	
PCB138+PCB163	µg/kg	20—600	0.3—70	0.3—30	0.025	12.5%	
PCB138	µg/kg	20—600	0.3—70	0.3—30	0.025	12.5%	
PCB153	µg/kg	20—1000	0.4—100	0.4—40	0.025	12.5%	
PCB156	µg/kg	1—40	0.03—10	0.03—10	0.025	12.5%	
PCB180	µg/kg	5—200	0.05—20	0.05—5	0.025	12.5%	
α-HCH	µg/kg	0.05—5	0.05—5	0.05—5	0.02	12.5%	
β-HCH	µg/kg	0.1—5	0.05—5	0.05—5	0.025	12.5%	
γ-HCH	µg/kg	0.05—5	0.05—5	0.05—5	0.025	12.5%	
δ-HCH	µg/kg	0.05—5	0.05—5	0.05—5	0.025	12.5%	
HCB	µg/kg	2—50	0.02—5	0.02—5	0.025	12.5%	10
HCBD	µg/kg	0.05—5			0.025	12.5%	55
Dieldrin	µg/kg	0.5—100	0.2—20	0.2—20	0.025	12.5%	
pp'-DDD	µg/kg	0.5—100	0.1—10	0.1—10	0.025	12.5%	
pp'-DDE	µg/kg	10—500	0.3—30	0.3—30	0.025	12.5%	
op'-DDT	µg/kg	0.1—2	0.01—1	0.01—1	0.025	12.5%	
pp'-DDT	µg/kg	0.1—10	0.1—10	0.1—10	0.025	12.5%	
Transnonachlor	µg/kg	0.2—40	0.02—10	0.02—10	0.025	12.5%	
Heptachlor	µg/kg				0.025	12.5%	0.0067
Heptachlor-epoxide	µg/kg				0.025	12.5%	0.0067
Cis-chlordane	µg/kg				0.025	12.5%	
Trans-chlordane	µg/kg				0.025	12.5%	
Oxychlordane	µg/kg				0.025	12.5%	
Dicofol	µg/kg				0.025	12.5%	
Total-Lipid	%				0.1	12.5%	
Extractable-Lipid	%				0.1	12.5%	

AA-EQS for heptachlor and heptachlor-epoxide is indicated as the some of those determinands.
*Only determinands in **bold** are in the scope of the accreditation*