

AQ-7 Pentachlorophenol in Seawater	
Year: 2024	Participants: 5 laboratories expected
Number of rounds: 1 per year	Start exercise: 1 April
Number of materials: 3 per round	Sample size: 1000 ml

Participation form

Timetable

PT Scheme

Costs

This study covers the determination of pentachlorophenol (PCP) in seawater test materials. As PCP is usually determined by a special method this exercise is offered separately.

Test Materials

The seawater for this study is collected from the Eastern Atlantic Ocean and is filtered to remove bacteria and particles. The test materials are thoroughly mixed and dispensed into one-litre glass bottles. These bottles are individually spiked with methanol solutions containing PCP.

Homogeneity of the test materials is assumed, as they were spiked to the same concentration level. The test materials are stable for the purposes of the exercise.

Determinands and Concentration Ranges

The table shows:

- The expected concentration range for the determinand in the spiked test materials.
- The constant and proportional error that will be used for assessment of the results.

Determinand*	Unit	Concentration Range	Error	
		Seawater (spiked)	Const	Prop
Pentachlorophenol	ng/L	20-2000	5	15.0%

* This exercise is not in the scope of accreditation.