QUASIMEME

**Quality assurance of information
for marine environmental monitoring**

Certificate of Analysis

ASP shellfish toxins

REFERENCE MATERIAL

BT7 sample 76

WAGENINGEN
UNIVERSITY & RESEARCH

Certificate of Analysis   BT7 76

General Information

In this report an overview is given of analytical data for this sample collected in our proficiency testing program. The consensus values are calculated using a robust statistical model. With this NDA model, the mean and standard deviation are calculated using all reported data when at least 4 results are left after removal of reported 'lower than' (<) and 0 (= zero) values. No outliers are removed.

This report is divided into two sections: Consensus Values and Indicative Values. The division is made on the reliability of the data. Consensus Values are based on at least 8 results and a maximum relative uncertainty of 6.25%. Indicative Values are based on a maximum relative uncertainty of 35% and a minimum of 4 and maximum of 7 results, or a relative uncertainty greater than 6.25% when there are at least 8 results.

For each determinand, the following parameters are given: mean, standard deviation, coefficient of variation, number of results, median, MAD (Median of Absolute Deviation), the uncertainty of the mean (consensus or indicative) value and the relative uncertainty.

Please note: Most WEPAL-QUASIMEME reference materials are found to be stable over the long term (>10 years) for most determinand/matrix combinations. There are a few exceptions known to us as being less stable over the long term. These are organotins in sediment (MS6), ASP in shellfish (BT7), some PAHs and PCBs in sediment (SETOC) and N-NH$_4$ (as N) in clay soils (ISE).

The results of each measurand is expressed on a wet weight basis.

Sample information

QUASIMEME reference materials cover a range of natural Shellfish toxins species from contaminated waters from the North Sea and/or Mediterranean.

This BT7 sample 76 of Kings Scallop from CEFAS, United Kingdom is prepared for the QUASIMEME proficiency programs. The results on which the values in this report are based were taken from the periods given in the following table.

Year.Round	Program	Sample Round Id
2025.2	BT7	QST379BT

Method: Toxins(SF) - BT7

Element	Unit	Mean	Std.Dev.	CV %	N	Median	MAD	Uncertainty	Rel.Uncert. %
Domoic+EpiDomoic	mg/kg	9.70	2.07	21.4	35	9.70	1.22	0.438	4.52
Domoic Acid	mg/kg	5.70	1.14	20.0	18	5.69	0.663	0.336	5.89

Method: Toxins(SF) - BT7

Element	Unit	Mean	Std.Dev.	CV %	N	Median	MAD	Uncertainty	Rel.Uncert. %
EpiDomoic Acid	mg/kg	4.19	1.17	27.9	17	4.25	0.837	0.355	8.47