Introduction
The NMCAQC scheme was initiated in 1991 by the Marine Pollution Monitoring Management Group (MPPMG) to support the analytical work associated with the National Marine Monitoring Programme (NMMP). The scheme was established and administered by a National Co-ordinating Committee (NCC) comprising representatives of the laboratories submitting data to the NMMP. The NCC organised a contract to provide proficiency testing samples for determinands in the NMMP and collected subscriptions from participating laboratories to fund the scheme. The first distribution was sent out in September 1992. The NCC also issued a policy document on in-house AQC to all participating laboratories in 1992. The document provided guidance on performance testing of methods, and encouraged the participation of laboratories in formal accreditation schemes. The NCC introduced special exercises and workshops in subsequent years to improve laboratories performance for problem determinands and collate information on internal QC.

NMCAQC participants

Links with QUASIMEME
Several of the laboratories participating in the NMCAQC were also invited to participate in QUASIMEME. The NCC invited the QUASIMEME project manager, Dr D Wells, to attend meetings to strengthen the links between the schemes and QUASIMEME sediment and biota materials were used in NMCAQC distributions. It was agreed that all laboratories should join the QUASIMEME proficiency testing scheme when it became subscription based in 1996. QUASIMEME now supplies individual laboratories with their test results and these are forwarded to the central NMCAQC database (see Figure 1).

Data Assessment
The data assessment criteria for the first NMMP report in 1998 were based on participation and performance in the proficiency testing scheme. This was recognised as a very limited assessment of laboratories performance as it was based on results obtained in two distributions per year. It was agreed that routine in-house quality control should be included to provide continuous assessment of performance. A data filter was developed which included information on external and as well as external AQC. A comparison of data rejected by the two different approaches (Figure 2) shows that more data is rejected using PT information only for well established but difficult analyses. The data filter has been further refined to accommodate the QC data provided to the ICES database with the NMMP data. It is hoped that this will make the data filter more accessible to a wider audience.

Acknowledgements

<table>
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<tr>
<th>Year</th>
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UK NATIONAL MARINE CHEMICAL ANALYTICAL QUALITY CONTROL SCHEME (NMCAQC)
by J. Dobson 1, C. Allechin 2, J. Cook 3, J. Fardon 4, D. McMullen 5, B. Miller 6, T. Oliver 7, D. Wells 8, and D. Wright 9

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4 Mr J Fardon
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6 Dr B Miller
7 Mr T Oliver
8 Dr D Wells
9 Dr D Wright

QUASIMEME
Supply PT samples Organise development exercises Organise workshops

NMCAQC
collate information to give data filter score

LABORATORIES
send QC information to NMCAQC

2nd NMMP Report
Filtered data used to produced report

Data Filter
send data to NMMP

Figure 1

The data filter has been further refined to accommodate the QC data provided to the ICES database with the NMMP data. It is hoped that this will make the data filter more accessible to a wider audience.

Figure 2

Data filter
proficiency tests only

% of results rejected
0 10 20 30 40 50 60 70 80 90

determinand groups

Acknowledgements

- Mrs J Dobson
- Mr C Allechin
- Mr J Fardon
- Dr D McMullen
- Dr B Miller
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- Dr D Wells
- Dr D Wright