



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
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IN REPLY REFER TO:

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From: Chair, DoD Environmental Data Quality Workgroup (EDQW)
To: DoD ELAP Accreditation Bodies

Subj: MASS CALIBRATION FOR LC/MS/MS ANALYSIS OF PFAS

Question: How does a laboratory demonstrate that the LC/MS/MS analyzing samples for PFAS has a valid mass calibration prior to sample analysis?

Answer: In order to demonstrate a valid mass calibration, the laboratory shall verify mass accuracy after each mass calibration. Mass accuracy shall be verified to be ± 0.5 amu of the true value by acquiring a full scan continuum mass spectrum of a PFAS stock standard or by following the instrument manufacturer's instructions for performing a mass calibration verification and using the instrument manufacturer's recommended standards as long as these standards verify the mass range of the PFAS ions of interest.

A handwritten signature in blue ink, appearing to read "J. M. Adelson", is positioned above the typed name and title.

J. M. Adelson, Ph.D.
Chair, DoD EDQW