Environmental Measurement Methods Expert Committee

Charter, Mission, Objectives

EMMEC Charter

- The expert committee will be charged with developing measurement tools, including those for limit of detection, limit of quantitation, and calibration. This work will meet the measurement tool requirements of the EPA cooperative award *"Support to develop Measurement Tools, Accreditation Standards, and Technical Support"*.

Committee Membership

Richard Burrows, Chair	TestAmerica
Ken Jackson, Program Admin.	TNI
Brooke Conner	USGS
Dan Dickinson	New York DOH
Tim Fitzpatrick	Florida DEP
Nancy Grams	Advanced Earth Technologies
Anand Mudambi	USEPA
John Phillips	Ford Motor Co.
Lee Wolf	Columbia Analytical

Mission Statement

- Develop useful and easily implemented measurement tools that will improve the quality of data generated by environmental testing laboratories.

Objectives

- ✓ A. Create and adopt standards to support a strong technical approach to quantitation.
- ✓ B. Create and adopt standards to support a strong technical approach to detection.
- ✓ C. Create and adopt standards to support a strong technical approach to calibration.
- ✓ D. Any standard developed should incorporate data quality objectives.
- ✓ E. Develop standards that are useable across various EPA and state programs.

Success Measures

- Adoption of standards into TNI requirements for laboratory accreditation

Key Decisions from initial meetings

- The general approach that should be followed on detection and quantitation was discussed. It was agreed that, rather than start from scratch, the committee should start from the FAC on Detection and Quantitation procedures and/or from the MDL procedure text. It was also agreed that consideration of national quantitation limits was inadvisable.

Key decisions from initial meetings

- “Our approach will be to improve the technical quality of methodologies that are currently in use, in a way that minimizes the impact on laboratories while maximizing improvements in the quantitative estimates (LOD, LOQ, and calibration.)”