



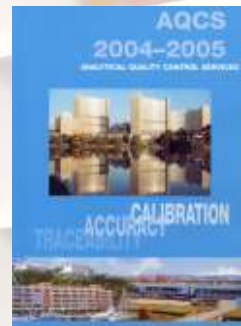
Analytical Quality Control Services for Marine Radioactivity Studies



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IAEA-MEL has been assisting laboratories of Member States in Analytical Quality Control Services (AQCS) for more than 30 years.

We organize worldwide and regional intercomparison exercises, and provide Reference Materials and Certified Reference Materials.

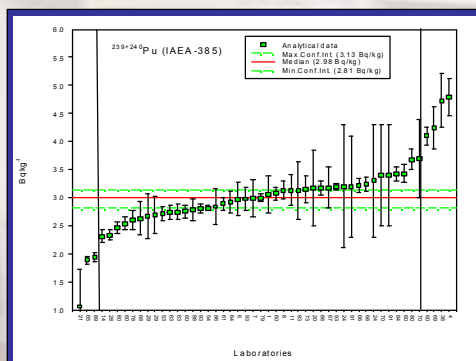


Data Evaluation

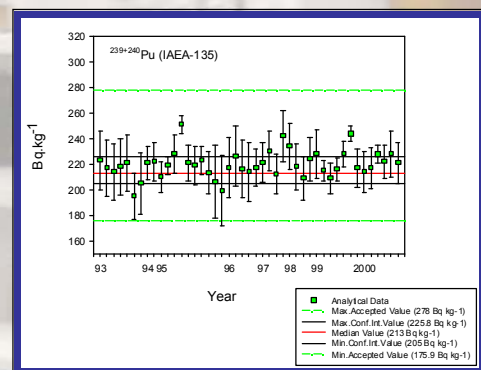
The analytical data reported by participants are evaluated statistically and the recommended and information values are determined.

Quality Assurance Control Charts

The analysis of an intercomparison sample helps to follow the analytical accuracy of data produced and to control quality assurance over time.



Evaluation of $^{239,240}\text{Pu}$ concentration in IAEA-385 (Irish Sea sediment).



MEL-RML Quality Assurance Control Chart $^{239,240}\text{Pu}$ in IAEA-135 (Irish Sea sediment).

Reference materials available for radionuclides analysis

IAEA-315	Arabian Sea sediment
IAEA-381	Irish Sea water
IAEA-414	Irish and North Seas fish
IAEA-384	Fangataufa lagoon sediment
IAEA-385	Irish Sea sediment

Reference materials in preparation

IAEA-418	Mediterranean seawater
IAEA-437	Mediterranean mussel
IAEA-415	North Atlantic fish
IAEA-410	Bikini Atoll sediment
IAEA-438	Baltic Sea fish
IAEA-412	Pacific Ocean sediment
IAEA-442	North Sea fish

Worldwide distribution of Member States participating in IAEA-MEL's AQCS programme

