



Uncertainty in Sampling and Compliance Assessment

One Training Day

What?

Understand the basics of measurement uncertainty including sampling, sampling preparation and chemical analysis.

Who?

For all laboratory staff involved in laboratory testing operations and QA/QC procedures:

- Writing procedures
- Conducting tests
- Conducting QA/QC
- Specifying reference materials
- Preparing standards
- Authorizing reports
- Purchasing calibration services

How?

This 1-day Training Course is offered by CALA and uses case studies so course participants will have a better understanding of measurement uncertainty of sampling and the fitness for purpose of sampling and measurement methods.

Syllabus

Lesson 1 - Measurement Objectives - terms, definitions and concepts

Lesson 2 - Systematic and Random Effects

Lesson 3 - Describing Uncertainty - Modeling Approach

Lesson 4 - Useful Statistics for Sampling Uncertainty

Lesson 5 - Describing Uncertainty - Empirical Approach

Lesson 6 - Collaborative Trials in Sampling and Sampling Proficiency Tests

Lesson 7 - Management Issues

Lesson 8 - Uncertainty Against Limits

Lesson 9 - Cost

Lesson 10 - Conclusions