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# LGC - Setting standards in analytical science



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## Our expertise

### Training & education

**Training courses and seminars available**

## **TRMV41 Method validation (1)**

**9 March 2010, 3 days**

Method validation is the process that provides evidence that a given analytical method, when correctly applied, produces results that are fit for purpose. No matter how well a method performs elsewhere, analysts need to confirm that the method is valid when applied in their laboratory. There is now a much greater emphasis on method validation in the ISO/IEC 17025 accreditation standard. Through a number of workshops, delegates build a validation protocol for a method of their choice.

*What are the benefits?*

This course will help you:

- Understand method validation and its requirements
- Select and apply the statistics required during method validation
- Select and use the appropriate types of method validation studies
- Appreciate and understand the links with measurement uncertainty and equipment qualification

*Contents*

The course will cover:

### **Day 1 - Essential statistics**

- Introduction to statistics for method validation
- Significance testing –t-tests and the F-test
- Analysis of variance (ANOVA)
- Linear regression

### **Day 2 - Providing the tools**

- Introduction to the concepts of method validation
- Building a validation protocol
- Performance parameters; precision, bias and ruggedness

### **Day 3 - Further tools**

- Performance parameters; selectivity, LoD, LoQ, linearity and working range
- Using validation data to estimate measurement uncertainty
- Impact of equipment qualification on method validation

*Who should attend?*

This course is designed for analytical chemists and potential or existing laboratory managers who are involved in method development and method validation.

<b>Start date/time</b>	9 March 2010, 9.00am
<b>Duration</b>	3 days

<b>Cost</b>	£1250 + VAT (£1468.75)
<b>Location</b>	Teddington

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