

# **Understanding ProUCL and Use of the 95% UCL to Demonstrate Compliance with RSR Criteria**

## **Seminar Schedule**

8:00 - 8:15 AM	Introduction
8:15 – 10:00	Applicability of the 95% UCL to the RSRs, Representativeness of the 95% UCL Data Set, and Recommended 95% UCL Computation Methods (including the Handling of Non-Detects)
10:00 - 10:15	Break
10:15 – 12:00	The necessary mathematical underpinnings of any 95% UCL: Central Limit Theorem; sample mean; sample standard deviation; the “appropriate” probability distribution to use. Straightforward examples and applications to establish a framework. Interpretation.
12:00 - 1:00 PM	Lunch
1:00 - 2:30	Different data distributions: normal; log-normal; gamma. Their influence on the specification of the 95% UCL. Statistical tests for determining which one to use. What do these tests mean?
2:30 - 2:45	Break
2:45 - 4:00	Data problems and their impact on the 95% UCL: censored data; non-detects; small sample size. Techniques for developing the 95% UCL under these circumstances.
4:00 - 4:30	Various other statistical tests and techniques; what they mean; how they should be used.
4:30 - 5:00	Questions and Answers