

“Introduction to Quality Assurance / Quality Control”

As a water or wastewater professional you know how important it is to produce defensible data. We must demonstrate that equipment is properly calibrated, calibrations are verified, operators / analysts are trained properly, results are adequately documented, and more. This applies as much to field testing, operating flow meters and chemical feed pumps, and inline monitoring equipment as it does to your water quality analyses in the laboratory.

This 3 hour LIVE ONLINE “Introduction to Quality Assurance / Quality Control” workshop explains why these steps are necessary and how you can use this information when you get audited by a regulator, troubleshoot the treatment process or a piece of equipment, respond to inquiries from the public, or defend your data in a court of law. A good and thorough QA program will create confidence in your performance, improve compliance, and reduce your organization's liabilities.

During this workshop you will learn the essential terminology, processes, and principles of a QA/QC program. Our discussions will focus on 12 components of Quality Control required by 40CRF 136.7:

- Demonstration of Capability (DOC)
- Method Detection Limit (MDL)
- Method Blank (LRB or MB)
- Laboratory Control Sample (LCS or LFB)
- Matrix Spike (MS and/or MSD)
- Internal Standards (GC/MS)
- Calibration
- Control Charts
- Corrective Action
- QC Acceptance Criteria
- Batch definition
- QC Frequency

This **3 hour LIVE ONLINE “Introduction to Quality Assurance / Quality Control”** workshop will provide you with an essential understanding of the principles and processes of QA/QC applied in water and wastewater treatment and other programs required to meet public health and / or environmental regulations.