

Analysis of Online Water Quality Data

August 14, 2018 at 1:00 pm EDT

This webinar will include two presentations. The first presentation will describe methods for conducting an exploratory analysis of historical water quality data collected from a water distribution system using online monitoring instruments. The purpose of an exploratory analysis is to characterize normal baseline conditions and identify the causes of normal changes in distribution system water quality at monitored locations. The second presentation will describe how source water constituents of concern can be estimated in near-real-time using continuous water-quality data. The basic data collection requirements and statistical methods needed to develop these relations will be discussed. Examples of this work from existing USGS studies will be presented, including the use of continuous water-quality data to estimate abundancies of cyanobacteria and associated toxins on the Kansas River. Collaborative opportunities with the USGS will be described to highlight how water-quality studies can be tailored to meet the needs of individual drinking water utilities.

Presented by Steve Allgeier (U.S. EPA, Water Security Division) and Jimmy Webber (USGS, VA and WV Water Science Center)

Attendees can request documentation for continuing education credits when registering for this webinar. Documentation will be provided after completion of the webinar.

Note: Continuing education credit acceptance is contingent on state and/or organization requirements—EPA cannot guarantee acceptance.



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