**PQAO Training 2019**

**Subcommittee 3: Data Management and Quality Control**

* Data Management
  + Address post-processing/correcting (e.g. correcting to zero) of data is no longer allowed
  + Discussion of consistent use of AQS data codes throughout the PQAO
    - Potential for interactive activity
  + Data Validation templates (critical, operational, systematic)
    - Discussion on which critical criteria automatically invalidates data and which don’t
    - What is considered “compelling evidence”
      * How should compelling evidence be documented?
  + Met Data: validation methods people use and the QA requirements
* Quality Control
  + Electronic logbooks and commercial availability
    - Summary of what everyone is doing and understanding the pros/cons of each
    - What is acceptable by EPA
    - How agencies have overcome common issues (e.g. security issues, logging into wi-fi)
  + Chain of custody forms
  + Nomenclature spreadsheet: highlight QC terms that may be used interchangeably (e.g. different checks and audits)
  + Monitoring perspective
    - How 1-pt QC checks are calculated
    - How different agencies are implementing the new changes (e.g. tighter control limits, validation tables, etc.) or how the new changes are affecting their data quality and resources
  + Data management perspective
    - How QC program is critical when data are questionable—QC is what we rely on to save data
  + Bare necessities that people should be recording
  + EPA modification of using an external scrubber on a zero air generator
    - Might be something that can be applied more universally instead of using the cylinder (cylinders are not the standard they used to be, so may no longer be a good source of zero air)
    - Zero air generator with the modification may suffice for both
    - Test from auditing side (i.e. checking with and without the scrubber)