# ODQ's Process for Indoor Air Data Review

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(slides created upon request)

# Agenda Item

- A member notes that they received a notice from the Data Office that their submittal of indoor air data with the requisite Full Laboratory Data Deliverables Form was acceptable. However, the letter, in addition to stating the data had been evaluated and was usable, went on to state that there were exceedances of the Indoor Air Standards that needed to be addressed. The question goes to the appropriateness of the Data Office noting exceedances of the Indoor Air Standards. It is the LSRP's job to determine if there are exceedances of the Indoor Air Standards based on site conditions and data. Such exceedances may not be site-related, or may be from an indoor source as opposed to true vapor intrusion. Saying that there are exceedances of the Indoor Air Standards may lead future reviewers of the document to view them out of context and draw the wrong conclusions.

- Can you speak to why the Data Office is offering up further commentary beyond the validation of the data submitted in this case?

# Indoor Air Data Review

- It has been noticed that the Full Laboratory Data Deliverables Form is being incorrectly populated regarding the exceedance of standards (checked no exceedances when data shows that there are exceedances).
  - In some cases, LSRPs may be referencing the wrong standards.
- ODQ checks for accuracy of the standards reported by the laboratory and verifies for accuracy.
- Any exceedance of a standard is noted. It is the end user who decides the next course of action, if any. ODQ does not determine data usability.
- This process is followed for potable water as well.

# Additional Information on Data Validation Process

- Check the chain of custody to assure holding times were met.
- Check pressure gauges to assure vacuum was the same when it left the laboratory to when it was received by the sampler; check again that there is vacuum present upon receipt by the lab. Unintended loss of vacuum could indicate a vessel leak with the potential for loss of compounds or contamination of the sample from sources unrelated to the site.
- Check that the package submitted is in a full deliverables format and complete per the requirements of N.J.A.C. 7:26E-2.1(a) and N.J.A.C. 7:26E-Appendix A-I.(b).
- Check that the Full Laboratory Data Deliverables Form is accurate and complete.
- Check the compound specific reporting limits to assure that all meet the applicable standards/criteria for the compounds of concern.
- Check the samples' associated clean canister certifications.

# Additional Information on Data Validation Process

- Compare the laboratory data to the method, tech rule and SOP (if applicable) requirements, focusing on:
  - BFB Instrument Tuning
  - Chains of Custody
  - Calibrations
  - Internal Standards
  - Method Blanks
  - Laboratory Control Samples
  - Dilutions (and subsequent increases to reporting limits)
- Note any exceedances of sample results versus corresponding remediation standards/criteria.

# Questions?