



Developing an Alternative Methods Program for Air Toxics

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What Is the Current Process for Updating Methods for Air Toxics?





History of Methods for Air Toxics

- *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*, 1988, Winberry et al.
- Last updated in 1999
- Performance based
- Guideline methods: air toxics are not regulated
- No process for updating them



What Is the Purpose of an Alternative Method Program for Air Toxics?

- To develop and implement a formal process for updating current Toxic Organic (TO) methods and approving new methods
- To develop and implement a communication process for updates and changes

GOAL: To advance the science for air toxics!!!



Other Alternative Method Programs at EPA

- **Stationary Source** – Broadly Applicable Alternative Method Program
- **Office of Water** – Alternative Test Method Protocol
 - Drinking water
 - Wastewater



What Is the Vision for an Alternative Method Program for Air Toxics?

- Create a pathway for improvements and updates to existing TO methods
- Create a pathway for new technologies and methods
 - Real-time measurements
 - Sensors
 - Innovation, new science





What Is the Vision for the Alternative Method Program for Air Toxics? (cont.)

- Process to be developed in phases
 - May be expanded to include inorganics
- Incorporate/develop communication tools
 - Website
 - Email blast thru AMTIC (i.e., Ambient Monitoring Technology Information Center)
 - CFR notices

GOAL: To have the alternative method program for air toxics available starting in FY 2016!!!



What Is the Vision for the Alternative Method Program for Air Toxics? (cont.)

- Submission of package with proposal description and supporting information/data
- Acknowledgment of package receipt
- Assessment of the level of review required
 - Expert panel review
 - Laboratory testing and evaluation



What Is the Vision for the Alternative Method Program for Air Toxics? (cont.)

- Notification and announcement of review results
 - Notice of approved changes published in the *Federal Register*
 - Listing on EPA Website
 - Email
 - Periodic publishing of updated/new methods as needed to incorporate significant changes



In Summary....

- EPA is working to establish a formal process for creating and approving alternative test methods for air toxics
- Goal is to advance the science

Stay tuned for updates!!!



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