

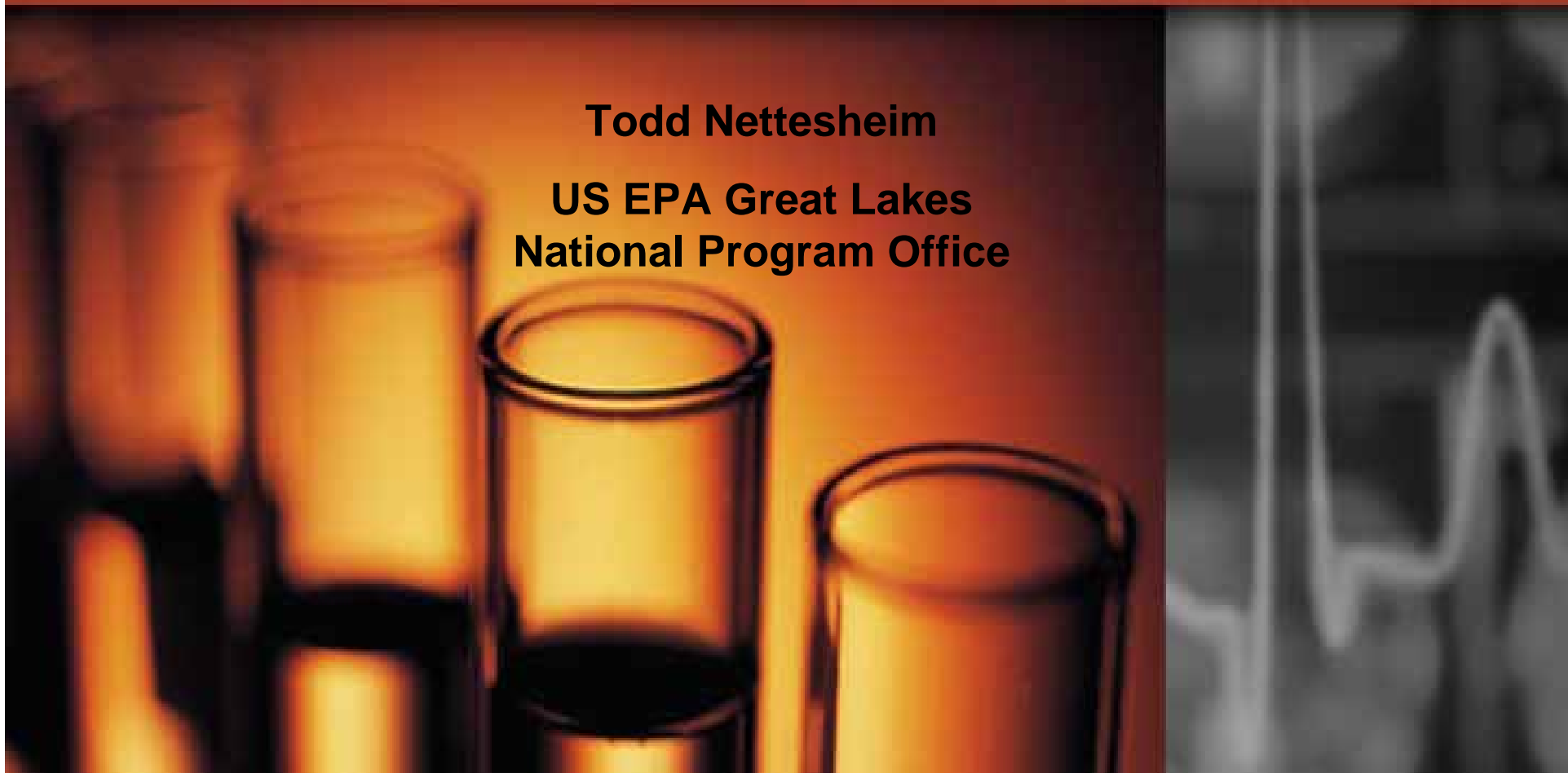
US EPA ARCHIVE DOCUMENT

# *Emerging Contaminant Monitoring and Surveillance in the Great Lakes*

Great Lakes Binational Toxics Strategy  
Substance and Sector Work Group  
December 3, 2008

**Todd Nettesheim**

**US EPA Great Lakes  
National Program Office**



## *Strategic Surveillance Plan*

- **Identify chemicals of concern**
  - Chemicals Management Plan – National in scope
  - Syracuse Research Corporation/Environment Canada North American Chemical Inventory Screening Project
  - External Expert Consultation (SETAC NA & Europe)
  - Etc.
- **Develop Screening protocols**
  - Physical / Chemical Properties
  - Production rates
  - Analyzability
  - Etc.
- **General Categories of Emerging Chemicals**
  - Siloxanes
  - Non Halogenated compounds (Musks, fragrances, etc.)
  - Halogenated compounds (BR, F, Cl, etc.)
  - Other

## *Monitoring and Surveillance Update*

- U.S. EPA Great Lakes Fish Monitoring Program
  - Broad Scan
  - Musks – Aaron Peck, Skidaway
  - 12 new standards
- E.C. Great Lakes Fish Contaminants Monitoring and Surveillance Program
  - Standards for ~50 compounds
- University of Illinois at Chicago
  - Project set to begin in early 2009
- National Rivers and Streams Study
  - pharmaceuticals

# *Integrated Atmospheric Deposition Network (IADN) Peer Review – Preliminary Results*



- IADN is a model for multi-national long-term POPs atmospheric deposition monitoring.
- IADN is an important resource for international POPs agreements (Stockholm, LRTAP, etc.)
- Retain PAHs, all HCHs, and HCB
- Bring in external panel to advise on analytes to add to IADN and other GL monitoring programs
- Once the above list of new candidate analytes is selected, perform an initial monitoring survey at 2-3 sites (most likely include at least one urban site) for 1-2 years