

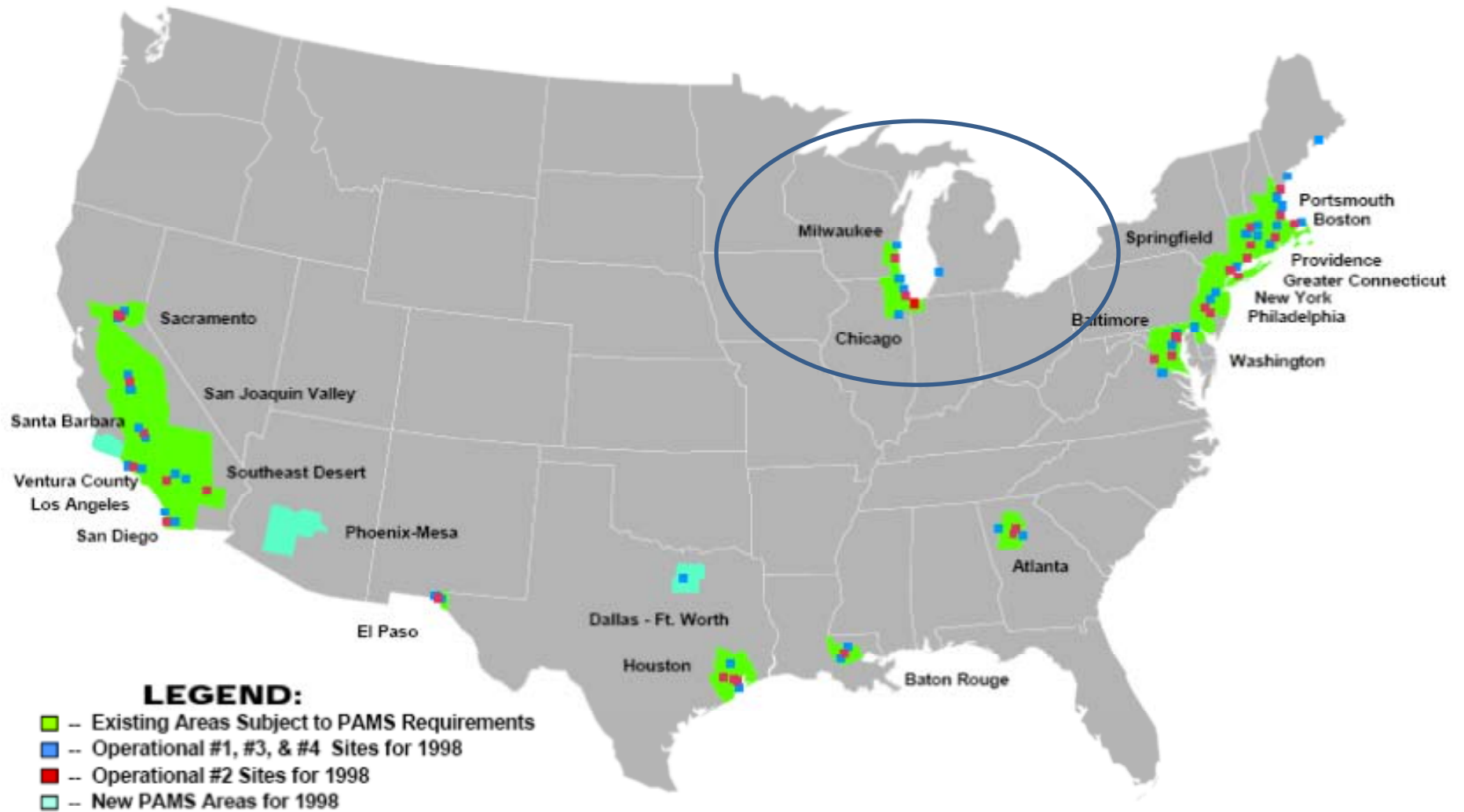
# PAMS—A Midwest Perspective



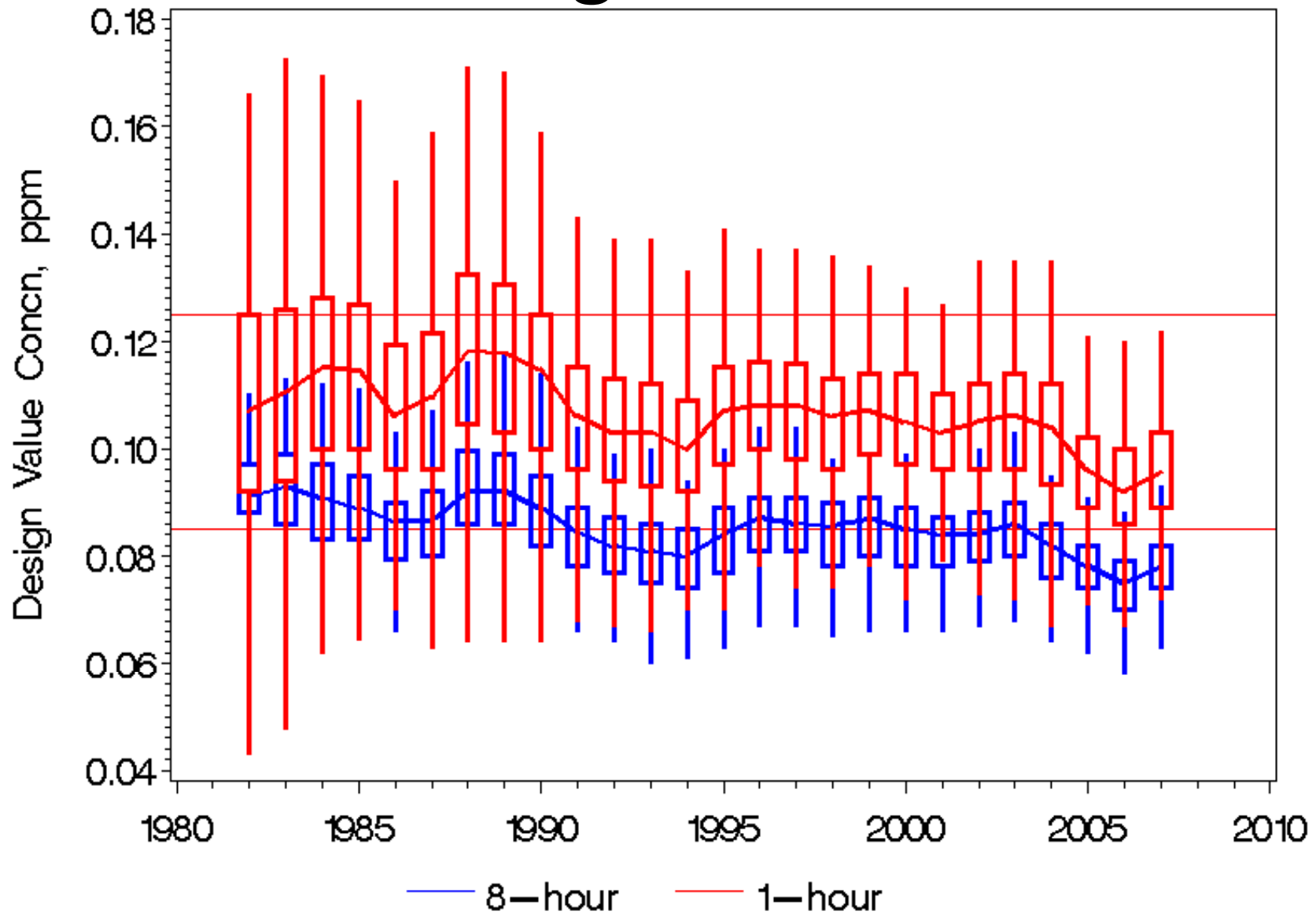
Donna Kenski

Lake Michigan Air Directors  
Consortium

# Operating PAMS Sites, 1998

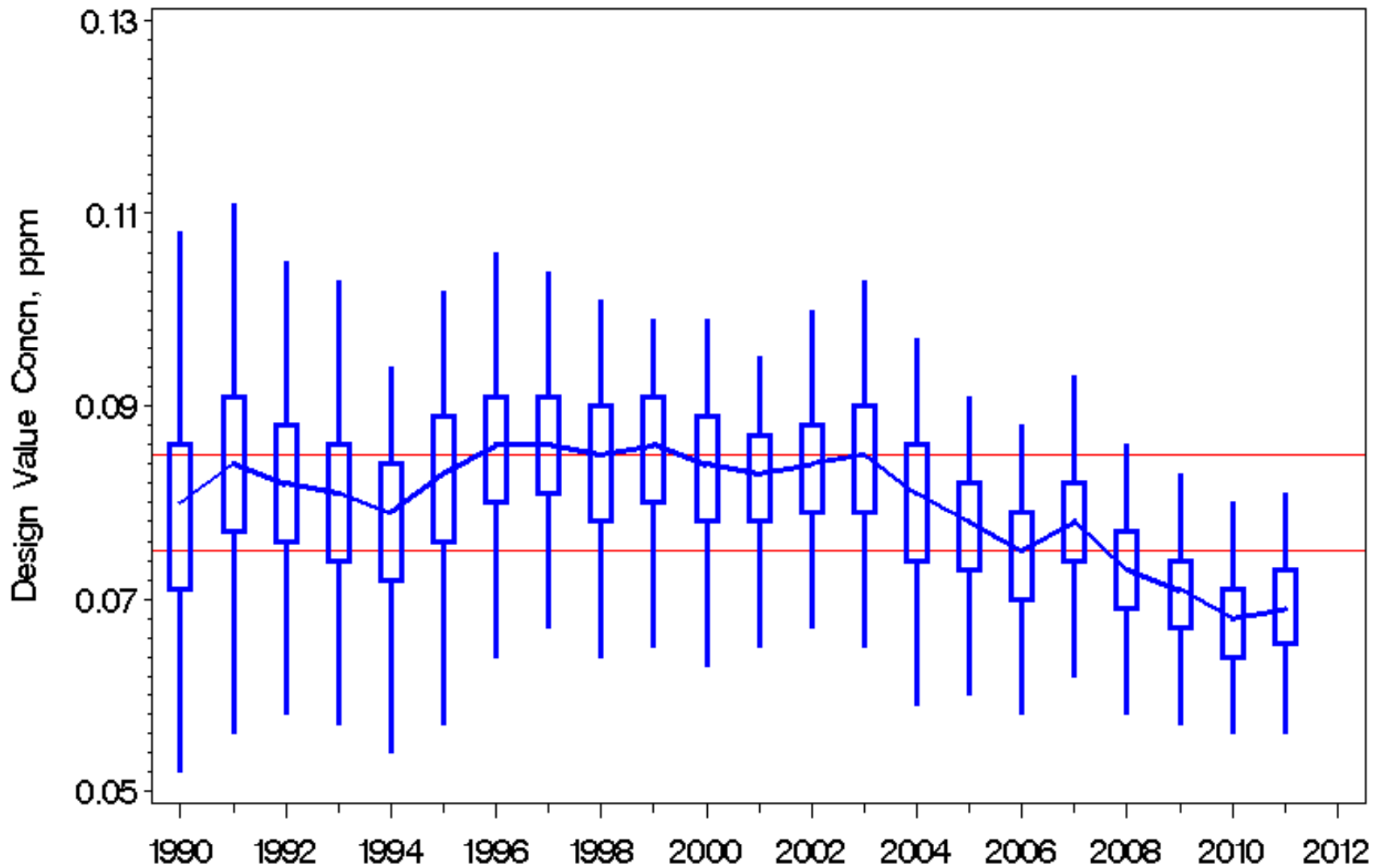


# Ozone Design Value Trends



Design value plotted by end year of 3-year period

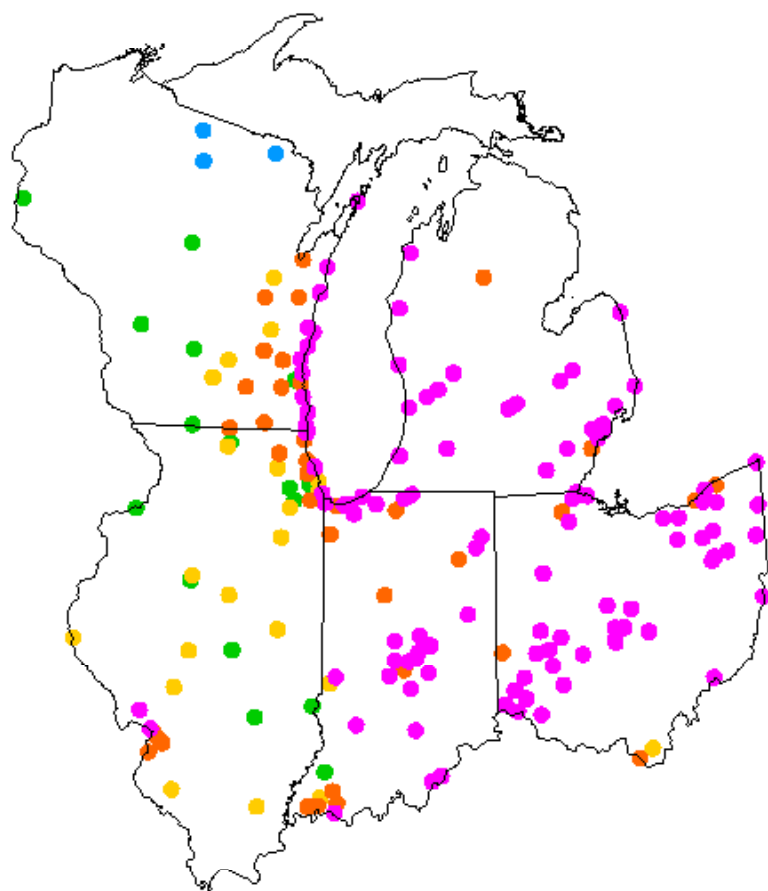
# Design Value Trends, LADCO States



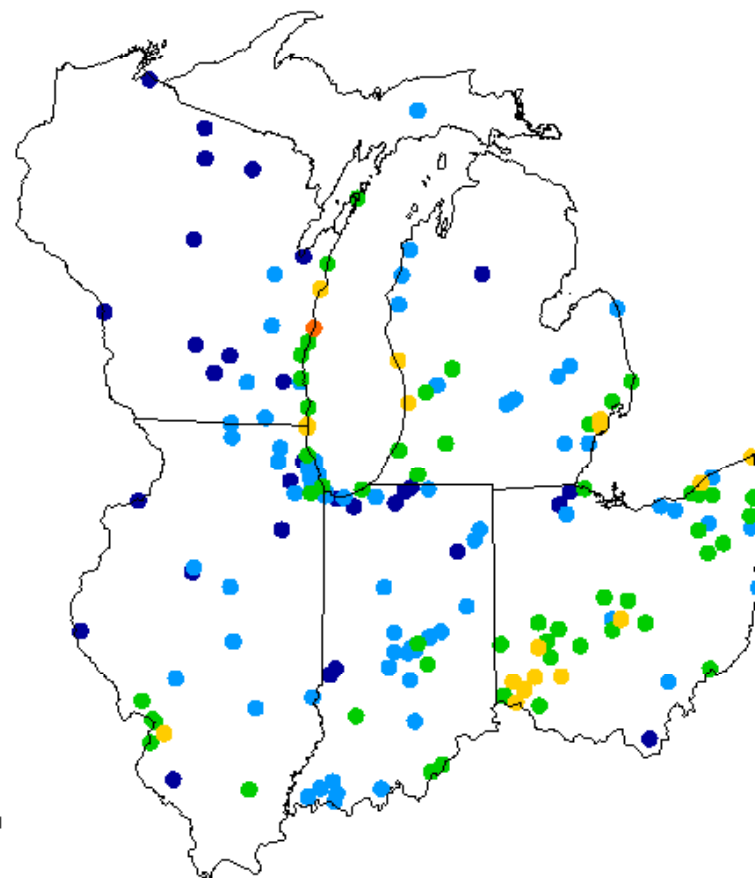
Design value plotted by end year of 3-year period.

# Ozone Design Values: 8-Hour

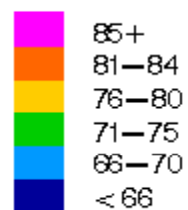
2001-2003



2009-2011



DV, in ppb

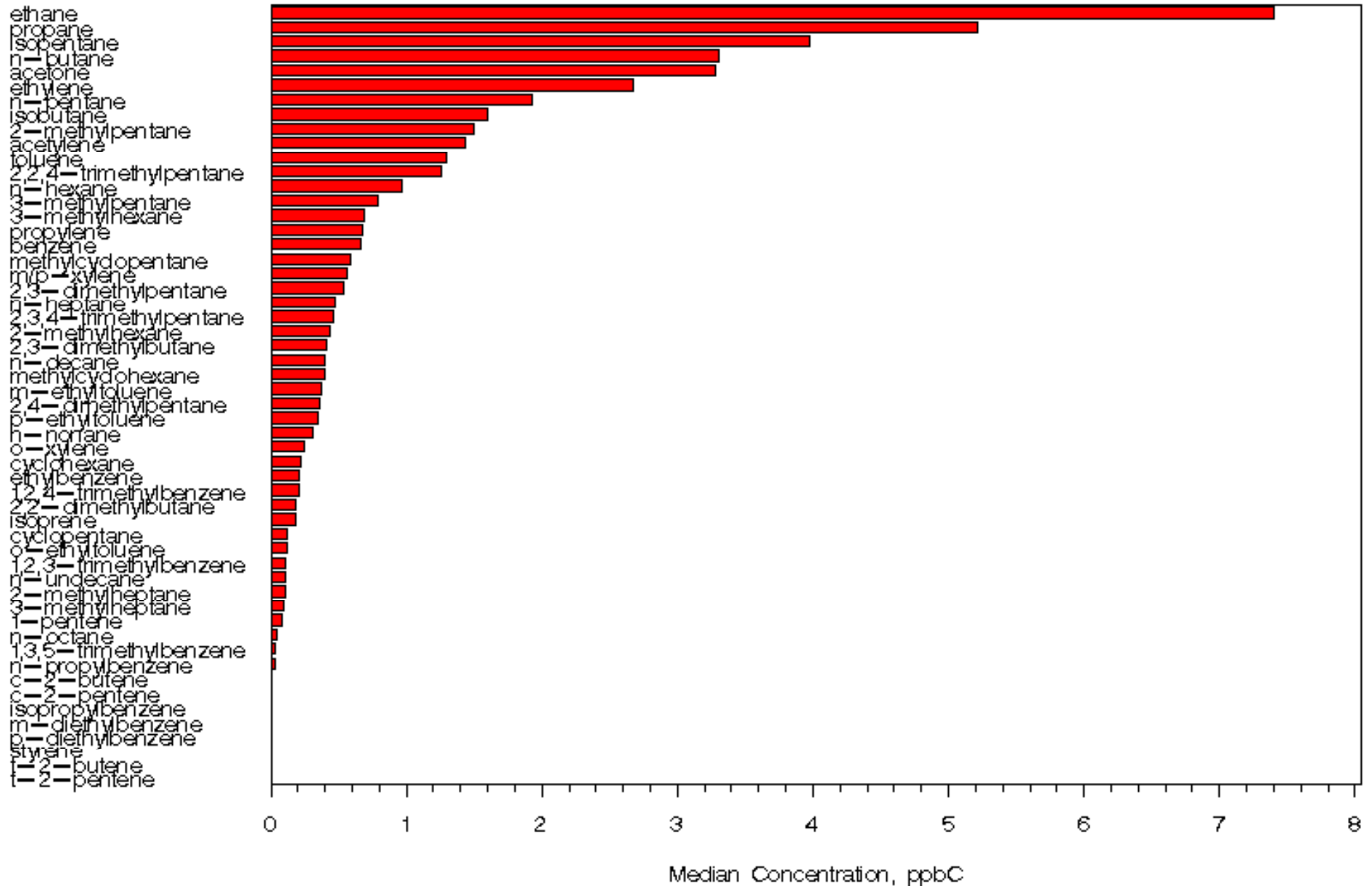


# Issue Number 1

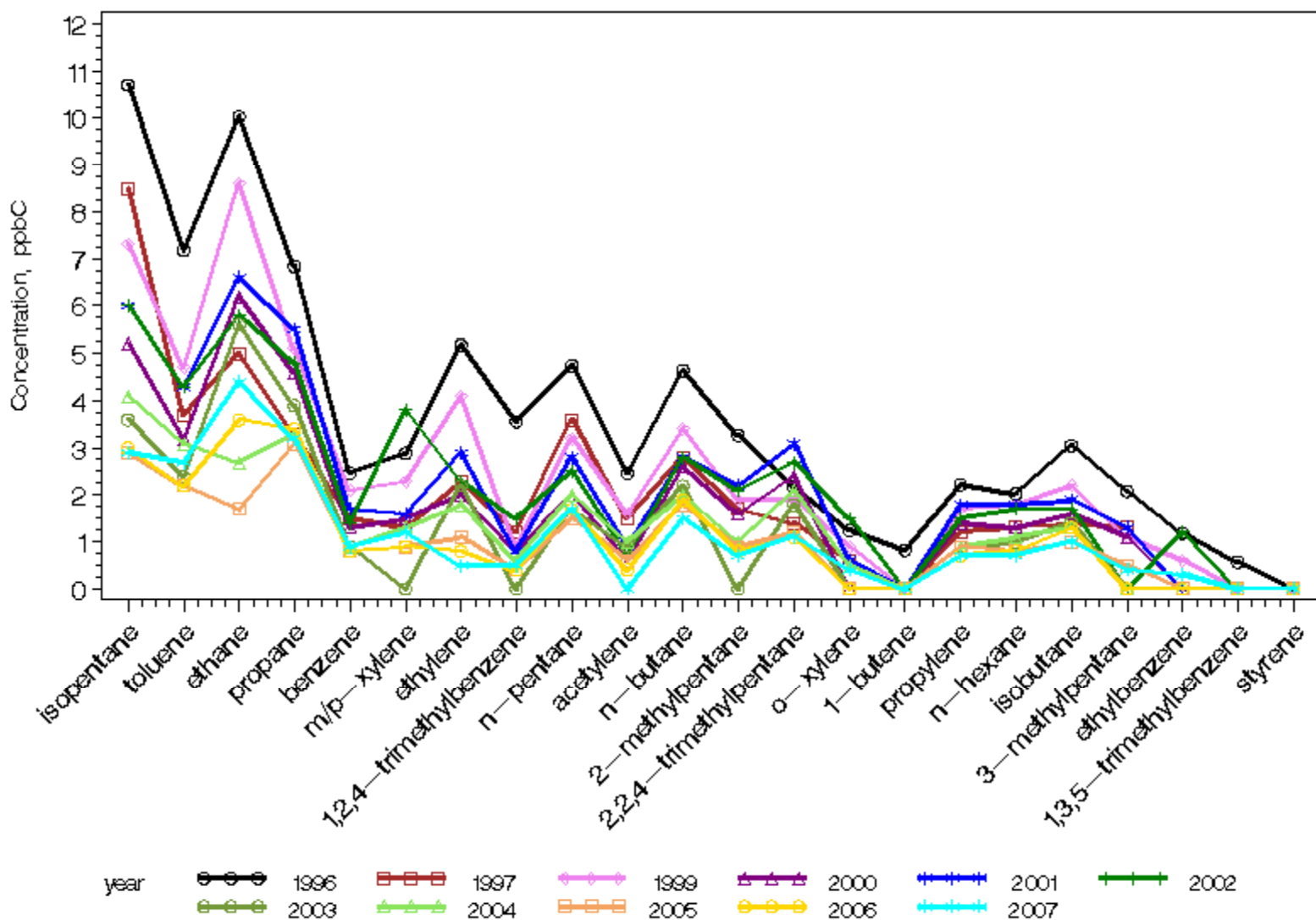
- New areas of ozone nonattainment need PAMS-like monitoring to understand their ozone exceedances and plan appropriately to meet the 75 ppb standard
- Original PAMS areas have made great progress, but need to keep PAMS in some form to track continued progress, maintain continuity in trends, and probably to meet a tighter new standard (65 ppb?)
- Ozone nonattainment is more regional and less local than in earlier years; PAMS boundaries need to be rethought accordingly

# Median Concentrations of PAMS Species

Where Detection Limits Are Reported

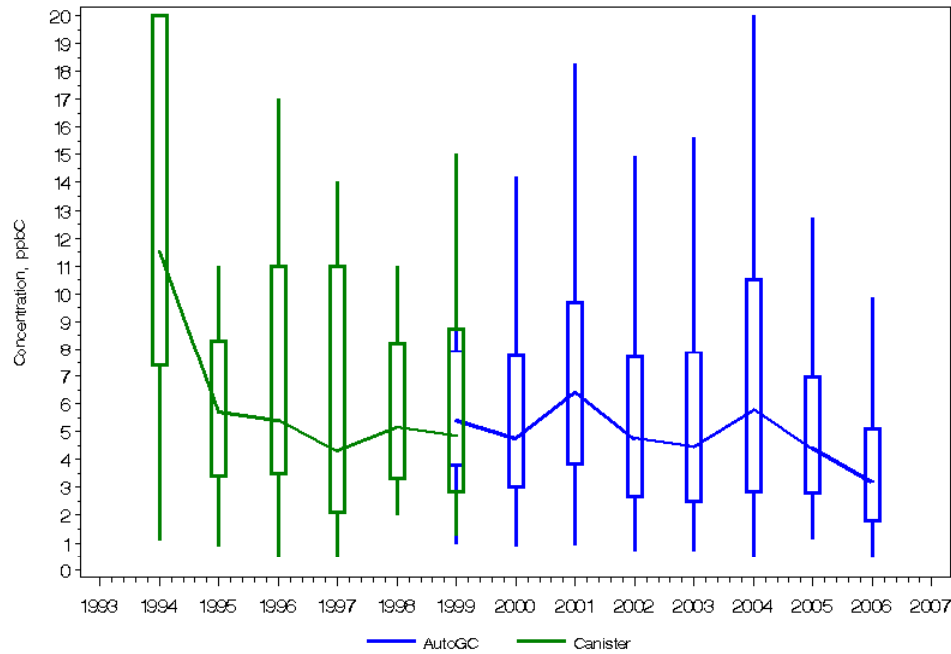


Change in Major Species Concentrations at Jardine, Early AM, by year

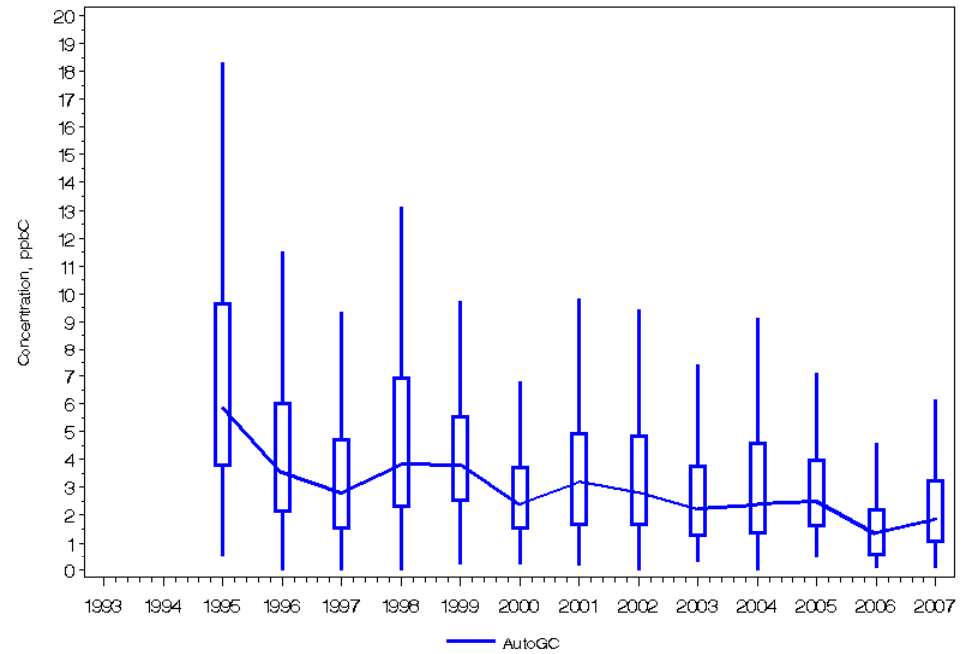




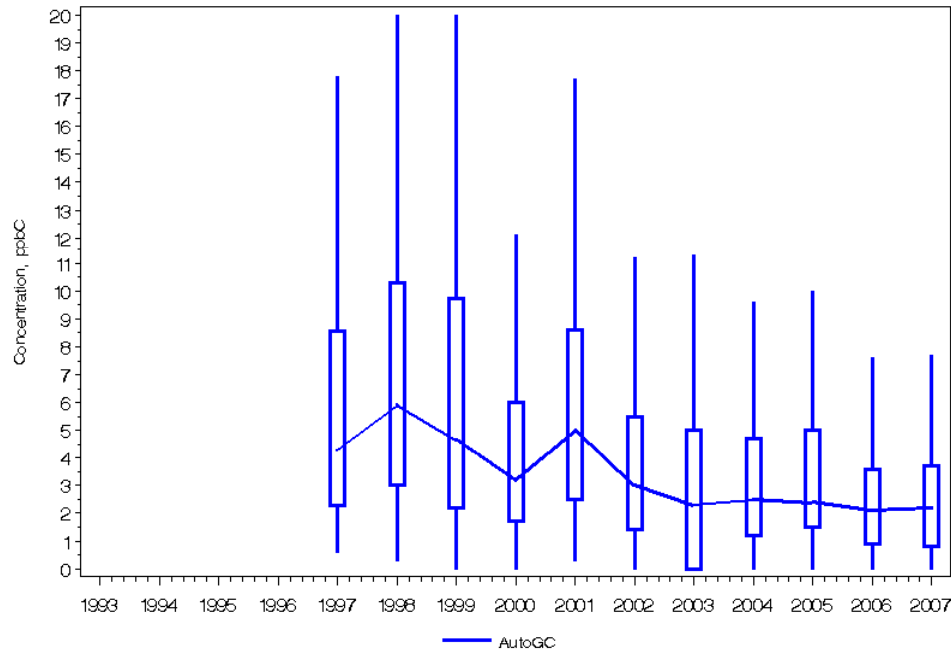
Morning concentrations of toluene at Milwaukee—UWM/SEHQ



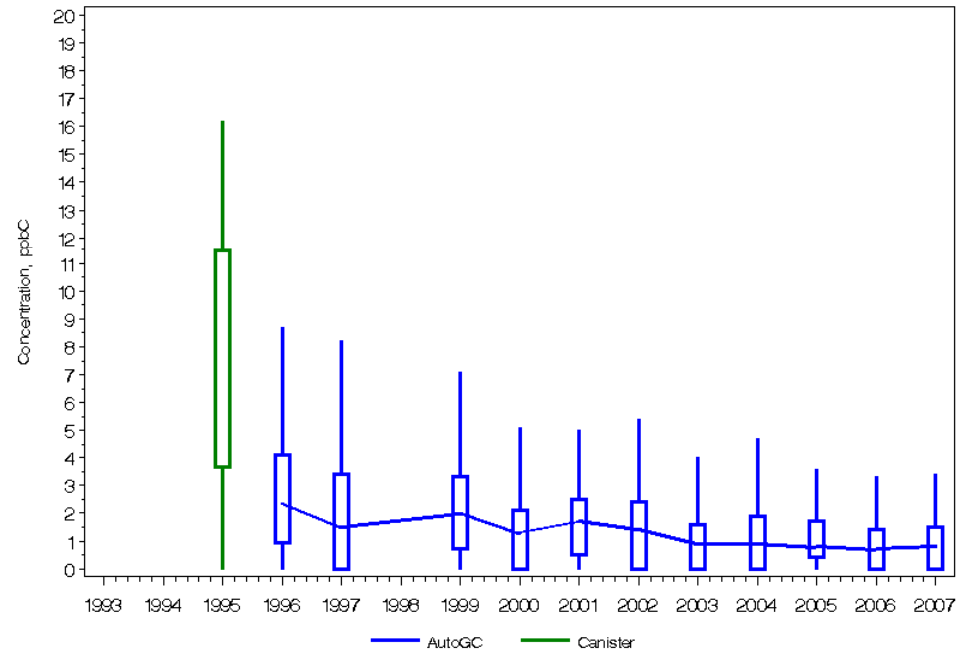
Morning concentrations of toluene at Indiana—Gary ITRI



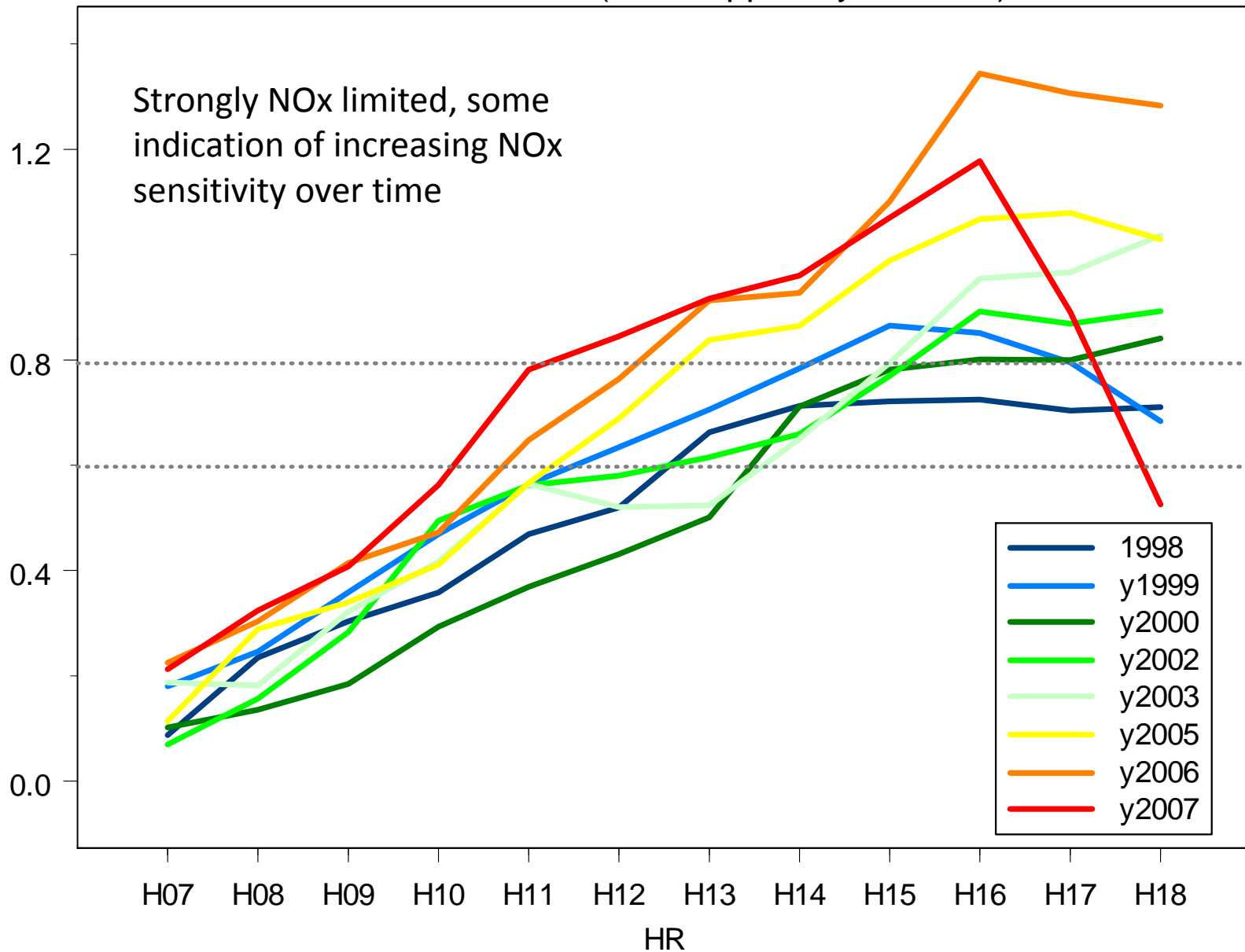
Morning concentrations of toluene at Chicago—Northbrook



Morning concentrations of benzene at Chicago—Jardine



# Change in Extent of Reaction at Harrington Beach/Manitowoc 1999-2007 (no >80 ppb days in 2008)



# Issue No. 2

- VOCs are hard – it takes a lot of time and effort to do it right, and aging equipment complicates data collection and quality
- VOC and carbonyl speciation data are important and need to continue; there may be a place for continuous TNMOC measurements as well. A more regional approach to PAMS could incorporate both, as well as a more flexible, region-specific target compound list. EPA should strive for high-time resolution data as much as possible.
- To be successful, states need better equipment and better methods. EPA needs a long term commitment to both to ensure data quality

# Issue No. 3 – When will EPA act?

- “Network Assessment for the National Photochemical Assessment Monitoring Stations (PAMS) Program”, Draft Final Report, September 2008
- December 2008 - Report sent to Workgroup
- February 2009 - Workgroup conference call
  - Should EPA finalize report? (Workgroup – yes)
  - FY2010 grant guidance (hold back 5% for equipment fund)
- May-Sept 2011 – CASAC review of PAMS
- Workgroup, CASAC in general agreement on PAMS – it’s time for some changes!