

Update from the Mobile Source Air Toxics Workgroup



Coralie Cooper

NESCAUM

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Overview



- Review of workgroup charter
- Accomplishments to date
- Next steps

Charter of the Workgroup



- Define mobile source air toxic emissions sampling and analytical protocols for the 21 mobile source air toxics identified in the March 2001 rule.
- For gasoline and diesel, light and heavy-duty engines.
- VOCs, ketones, aldehydes, diesel PM and diesel exhaust organic matter, metals, POM, dioxin, furans.

Work Accomplished to Date



- VOCs

- Agreement reached on VOC sampling and analysis protocols.

- Aldehydes and Ketones

- Agreement reached on sampling and analysis protocols.

Accomplishments (cont.)



- ARB Methods 102/103 and 104
 - EPA agreed to use ARB methods for measurement of VOCs.
 - Manufacturers have made modifications to ARB methods to improve sample efficiency and increase analytical accuracy.
 - Improvements to ARB method developed through Ford, GM, and DCX consortium.

Next Steps



- Multiple techniques exist with regard to metals, PM, POMs, and dioxin/furans.
- Techniques vary widely in scope and specification.
- Protocol development needed to advance the state of knowledge surrounding analytical methods for these compounds.
- Write summary report to the MSTRS for next meeting.

Conclusions



- Goals of the workgroup were accomplished to the extent possible in this forum.
- Workgroup recommends that research be conducted to further improve mobile source toxics measurement.
- A research consortium (such as AIGER) could provide a forum for method comparison.