

# Introductory Comments

## Risk of Asthma in Children from Multipollutant Exposures

Contract 10-309

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# Relevance of the Current Study to ARB's Mission

- \* Protection of sensitive groups (children, elderly)
- \* Reduction of air pollutant exposures
- \* Regulation of pollution sources
  - \* Reduction of traffic pollution and associated health impacts

# Childhood Asthma and Air Pollution

- \* 900,000 asthmatic children in CA
- \* Previous ARB funded research on the impacts of air pollution in asthmatic children
  - \* Volatile organic compounds associated with asthma symptoms
  - \* Asthma onset from high ozone exposures
  - \* Greater adverse asthma outcomes in lower income groups
- \* Current funded study
  - \* Association of asthma with exposure to air pollution from different sources

# Goals of the Study



- \* Provide information on the impact of air pollution on asthmatic children
  - \* Examine different sources and components of PM<sub>2.5</sub>
  - \* Analyze at a fine spatial resolution
  - \* Identify sources for regulation to protect children