



Virginia Biomonitoring Program

Successes

- ▶ State agencies have been very supportive of the overall goals of the program.
 - Department of Environmental Quality
 - Department of Health
 - Department of Agriculture and Consumer Services
 - Department of Fire Protection Services.
- ▶ Local health departments extremely excited!



Successes (2)

- ▶ IRB Approval of Studies
 - Exposure of Firefighters to Toxic Combustion Products Study approved in a little over a month.
 - Toxic Metals and Perchlorate Study approval took longer overall due to a clerical error by the IRB.



Challenges

- ▶ Establishing Program Infrastructure
 - Chose initial analytes that are important but not a stretch analytically to be able to focus on setting up the program.
 - Sample collection
 - Sample storage and archiving
 - Data reporting



Challenges (2)

- ▶ Exposure of Firefighters to Toxic Combustion Products Study
 - Working with Fire Protection Services at the state training academy.
 - Samples basically come to us.
 - Some issues with scheduling but not insurmountable.



Challenges (3)

- ▶ Toxic Metals and Perchlorate Study
 - Statewide study to establish background levels.
 - Study subjects need statistically representative of the population of the commonwealth.
 - Partnering with community colleges to recruit subjects.
 - Community colleges are present in all areas of the commonwealth and draw from local populations.



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