

# ISSUES

- Secondary organics may be the largest fraction of carbonaceous mass in a smoke plume
- Tracking progress requires apportioning carbonaceous material to various source/source types
- Currently cannot separate out smoke from other sources.
- Cannot anthropogenic from natural sources
- Do not have emission factors for gas precursors for SOA

# T1/B1 Recommendations (tracers for apportionment)

1. Develop a set of markers of opportunity for apportioning smoke to PM<sub>2.5</sub>
2. Make them cheap and easy
3. Implement into monitoring system when appropriate
4. Will need to develop/refine apportionment models if SOA is important
5. Develop emissions inventory of precursor hydrocarbon gases that form SOA for use in deterministic models
6. We can use weight of evidence approach with current assessment tools