

Particulate Monitoring Analysis:

Description of Method:

For this study the method of sampling the ambient air for particulate matter will include the use of a PM 2.5 ambient air monitoring system provided by Met One and a black carbon monitor provided by Magee Scientific. The analyzers are Federal Reference Method analyzers and are currently used by Bay Area Air Quality District for analyzing 2.5 micron particulate matter and black carbon in the Bay Area. The system will have data directly output to a website that is accessible by the community.



Hardware:

Met One BAM 1020 Particulate Monitor

Magee Scientific AE22 Black Carbon Monitor

Sample Compounds

PM 2.5

Black Carbon

Sample Frequency:

One hour averages

Sample Location: Neighborhood Monitoring Location

Quality Control / Quality Assurance:

- Standard Operating Procedure Manual for the Sampling Instrument.

Reference Documents:

Appendix A - Brochure Met One BAM 1020 PM2.5 Ambient Air Monitor\

Appendix A - Brochure Magee Scientific AE22 Black Carbon Monitor

Appendix B - Met One PM 2.5 Operations Manual