

Protocol MATES III

Monitoring and Laboratory
Analysis

Table of Contents

- Introduction
- Monitoring Equipment
- Laboratory Procedures
- Quality Assurance Quality Control
- Data Processing and Reporting

Introduction

- MATES II Background
- Microscale Study (MSS)
- Addition of PM_{2.5} Component

Monitoring Equipment

- Equipment Characteristics
Siting, Calibration, Sample Pickup
- Sampling Equipment
Xontech 910/912 (Gaseous VOCs)
Xontech 920/924 (TSP and Carbonyls)
ATEC 800 (Carbonyls)
MET One SASS (PM_{2.5})
Ultrasonic Anemometer (WSD)
SSI-Hi Vol (PM₁₀)

Laboratory Procedures

- Sample Handling
- Analysis Methods
- Table 1 Compounds
- Table 2 Compounds
- Sampling Schedule

QA/QC

- Objectives
- Procedures
- Documentation
- Data Review

Data Processing and Reporting

- Data Base Compilation
- Periodic Reports
- Final Report