PDEQ Monitoring Overview

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Overview

- Filter preparation
- Monitoring
- Preparing filters for analysis
- Transport to lab
Filter Preparation

- Filters are ordered and sent to PDEQ lab from manufacturer, Whatman
- Filters are equilibrated and weighed in PDEQ’s lab
Monitoring

- Filters are logged and transported to SUSD’s transportation building by PDEQ and handed to receptionist who signs COC
Monitoring Continued

- Filters being sent to Pace Analytical for SERI follow the same preparation procedure and are sent out by UPS. These filters are tested for eight metals (Be, As, Cd, Co, Cr, Mn Ni and Pb)
- Results are sent directly to SERI
Monitoring Continued

PM10 Monitor

Chart to monitor run time

Dixon Chart

Timer to set run time

Timer
Monitoring Continued

- SUSD maintenance personnel remove previous filter and insert clean filter into monitors
Monitoring Continued

- Six days later, after sample has been taken, maintenance personnel remove filters from monitors and return them to the office.
- PDEQ personnel pick up filters from SUSD.
Preparing Filters for Analysis

- Filters are equilibrated and weighed
- Filters are logged and cut in two one inch strips for analysis
Preparing Filters for Analysis

- Filter strips are packaged in an envelope with information required by the lab on the front and prepare for transport to PCRWRD lab.
Transport to PCRWRD lab

- PDEQ drives filter strips to PCRWRD lab
- PCRWRD signs chain of custody to note receipt of filters
Current Status

- Filters are kept for at least two years or until the end of the study whichever is greater
- PCRWRD expects to be caught up with backlog by Sept 09
- All results have been non-detect (<0.265 ng)
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