

FIELD AUDIT SUMMARY

A field audit was performed by Advanced GeoServices Quality Assurance Manager, on July 27, 2009 to review the PAM monitor calibration, field deployment and sample collection activities. Emphasis was placed on reviewing the field blank collection activities.

Based on the field audit the following is a list of corrective actions to be taken to try to prevent future field blank contamination:

- The door to the trailer should be kept closed when doing anything related to the air monitoring program.
- Gloves should be changed between each PAM monitor when checking the calibration of the monitors.
- New, clean paper towels should be placed on the table prior to calibration.
- The tube on the calibration unit should be cleaned with alcohol wipes between putting each air monitoring cartridge on the unit and covered with a new piece of aluminum foil when not in use.
- The calibration binder should be placed off to one side so that calibration activities do not take place above or on it.
- The PAM cartridge inlet plug should be placed on a clean surface with the tip of the plug pointing up.

Conclusions:

The removal and disposal of the box and remaining cassettes from which the contaminated lot blank came from resolved the issue of the lot blank. In the future, if another lot blank has detectable lead, the same actions (removal and disposal of the remaining cassettes in the lot) should be taken.

How the field blank collected on 7/17/2009 became contaminated with lead remains unclear. However, corrective actions have been taken to try to prevent field blank contamination in the future.