

Just the Facts... ASBESTOS ANALYSIS LABORATORY

MISSION STATEMENT

- ◆ Provide quality Asbestos Analysis on industrial and environmental health samples in a wide variety of matrices.
- ◆ The staff is highly trained and experienced, and utilizes the state-of-the-art equipment in the analytical procedures.
- ◆ Procedures include, Phase Contrast Microscopy (PCM), Polarized Light Microscopy (PLM), and Transmission Electron Microscopy (TEM).
- ◆ The laboratory services begins with providing consultation on sampling criteria and protocols, through sample analysis, quality control, and finally, reporting results and data interpretation.

SPECIAL ACCREDITATIONS

- ◆ Analysis Services
- ◆ Accredited
- ◆ Experienced
- ◆ National Voluntary Laboratory Accreditation Program (NVLAP) for Bulk Asbestos Analysis, since 1989.
- ◆ American Industrial Hygiene Association (AIHA), for Fiber Count Analysis, since 1988.

STAFFING

- ◆ Highly experienced technicians with the required education, training, and demonstrated proficiencies.
- ◆ Over 60 years of combined laboratory experience.

MATRICES

- ◆ Air filters, Wipes, Soil, Insulation, Bulk material, Drinking water, Groundwater and Waste water.

Radiologic, Classic, and Clinical Chemistry
Commercial 410-671-3983 or DSN 584-3983
U.S. Army Center for Health Promotion and Preventive Medicine
Aberdeen Proving Ground, MD 21010-5422

SERVICES PROVIDED:

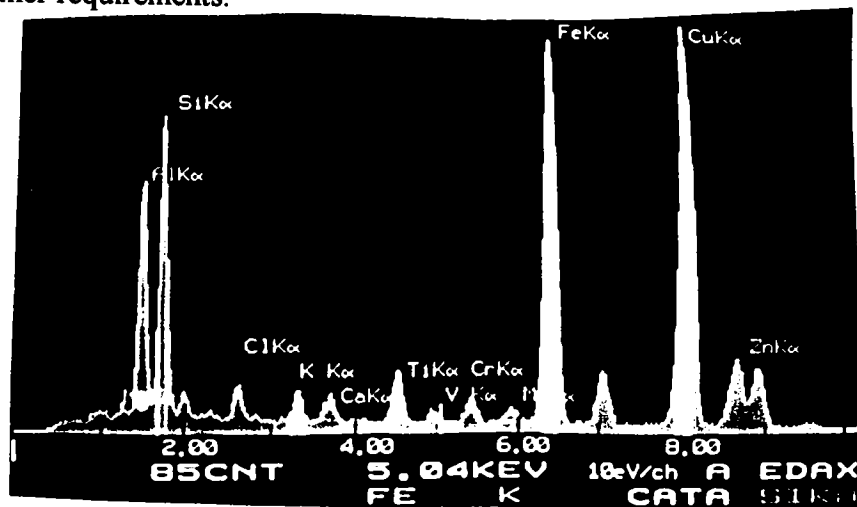
- ◆ Analysis for asbestos in air by TEM.
- ◆ Analysis for asbestos in water by TEM.
- ◆ Analysis for asbestos in bulk material by TEM.
- ◆ Electron diffraction of crystalline structures.
- ◆ X-ray spectral analysis (elemental composition).
- ◆ X-ray fluorescent analysis for unknown bulk material.
- ◆ Quantitative and qualitative analysis of different types of silica.
- ◆ Bulk identification and quantitative analysis for asbestos and other fibers by PLM, EPA 600/R93/116- July 93.
- ◆ Quantitative analysis, by point count, for asbestos fibers in bulk material.
- ◆ Asbestos and others, fiber count analysis by PCM, NIOSH 7400, Rev 3, Issue 2, 15 Aug 94.
- ◆ Microphotographic analysis, for representation and documentation purposes.
- ◆ Unique and exclusive consultation services are provided to our customers in all aspects of the projects, including consultation on sampling protocols, shipping criteria, analysis and quality control, results on-time delivery, and finally, data interpretation. We guarantee the best quality product in the shortest turn around time possible.

MAJOR EQUIPMENT:

- ◆ Philips CM12 Transmission/Scanning Electron Microscope
- ◆ EDAX, x-ray Diffractometer
- ◆ Philips x-ray Diffractometer
- ◆ Keve x-ray Fluorescent Spectrometer
- ◆ Zeiss Axioplan Polarized Light Microscope
- ◆ Several Image Processing systems
- ◆ Zeiss Phase Contrast Microscope
- ◆ Computerized Nikon Phase Contrast Microscope with Automated Stage

BACKUP SUPPORT

- ◆ Service contracts are in place to provide equipment maintenance or analytical support in case of equipments breakdown or heavy workload.
- ◆ Contracted work is closely monitored and reviewed to guarantee the highest quality needed to meet customer requirements.



Elemental Spectra Generated by X-Ray