AIHL Lab. Number: 20026

AIHL Analytical Report

Microscopy Unit

Name of Submitter: *Robert Lawson* *Samples Received:* *1/15/92*
Submitting Agency: *Agricultural Health & Safety Center*
University of California
Davis, CA 95616-8757 *Total Samples Analyzed: 9*

Sampling Location: *UCD Rice straw harvest* *Date Reported* 9/23/92

Sample Description: **Ambient Air Filter Samples**

Analysis Requested: **Fibrous Silica (per cc Air)**

Method: **AIHL Provisional TEM Method for Analysis of Fibrous Silica***

Instruments: **Hitachi H-600/H-6010A Scanning Transmission Electron Microscope**
Kevex Delta Class Analyzer
JEOL JSM-35C Scanning Electron Microscope

Notes

* - At this time there is no officially adopted analytical method for determining silica fiber concentrations emitted from the burning of biomass fuels. The AIHL provisional method is based on standard techniques used for other sample types.

Details of the **AIHL Provisional TEM Method for Analysis of Fibrous Silica** are available upon request.

Signatures of Analysts *Signature of Supervising Analyst*

> Donald J. Scales 9-23-92 > Walter John 9/23/92

> John C. Lehmicke 9-23-92