

ATLANTA
Corporate Headquarters
3945 Lakefield Court
Suwanee, GA 30024
(770) 866-3200 FAX (770) 866-3259



January 27, 2011

John Steinauer
Tetra Tech EM Inc.
1955 Evergreen Blvd. STE 300
Duluth, GA 30096-1207

RE: PLM Sample Analysis
05-001-0145
Holcomb Creosote ER

Dear Mr. Steinauer:

Enclosed is a summary and the analysis of the sample which was delivered to MAS, LLC. on January 27, 2011. It was requested that we analyze this sample using polarized light microscopy (PLM) to determine the percentage of asbestos.

The sample was analyzed in accordance with EPA document 600/R-93/116, 'Method for the Determination of Asbestos in Bulk Building Materials'. The analysis results relate only to the specific item analyzed. Any partial reproduction of the Bulk Analysis Report may not be made without the consent of MAS, LLC. This report may not be used to imply product endorsement or certification by MAS, LLC., the National Voluntary Laboratory Accreditation Program (EPA), or the U.S. Government.

Materials Analytical Services appreciates this opportunity to have been of service to you. We look forward to working with you on future projects.

Sincerely,


A handwritten signature in black ink, appearing to read "WBE", is written over a horizontal line.

William B. Egeland, P.G.

Enc. M52735

MAS, LLC
3945 LAKEFIELD COURT
SUWANEE, GA 30024
(770) 866-3200

Client: Tetra Tech EM Inc.
Job Name: Holcomb Creosote ER
Job Number: 05-001-0145

Reviewer: 

Summary of Results of analysis by Polarized Light Microscopy (PLM)

CLIENT #	MAS ID # - SPL #	COMMENTS	MATERIAL	ANALYSIS
ACM01-HOL	M52735- 001	X = Materials detected.	grab	80% Chrysotile

ENVIRONMENTAL SERVICES DIVISION
COLLEGE STATION ROAD
ATHENS, GEORGIA 30613

Remarks
would like results by 2:00pm,

DISTRIBUTION: Original and Pink copies accompany sample shipment to laboratory. Pink copy retained by laboratory.
Yellow copy retained by samplers. Blue copy extra copy as needed.

T4- 6168

**MAS, LLC
PLM ANALYSIS**

Proj#-Spl# M52735 - 001 **Analyst** Paul Hess **Date** 1/27/2011
ClientName Tetra Tech EM Inc. **ClientSpl** ACM01-HOL
Location Boiler Room Floor
Type_Mat grab
Gross Chunks compressed fibrous medium
Visual _____

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	<u>wavy</u>		
Pleochroism	<u>none</u>		
Refract Index	<u>1.550/1.545</u>		
Sign^	<u>positive</u>		
Extinction	<u>parallel</u>		
Birefringence	<u>low</u>		
Melt	<u>no</u>		
Fiber Name	<u>Chrysotile</u>		

ASBESTOS MINERALS

EST. VOL. %

Chrysotile.....
 Amosite.....
 Crocidolite.....
 Tremolite/Actinolite.....
 Anthophyllite.....

80

OTHER FIBROUS COMPONENTS

NON FIBROUS COMPONENTS

 Opaques

 Binder

X

X

Binder Description

Comments X = Materials detected.

The method detection limit is 1% unless otherwise stated.