

# MICRO ANALYTICAL LABORATORIES, INC.

## TEM YAMATE LEVEL II (MODIFIED)

1122  
 C & W Environmental Consulting  
 2532 Santa Clara Avenue  
 PMB 390  
 Alameda, CA 94501

PROJECT:  
 COUNTY OF MONTEREY  
 SUPERIOR COURTHOUSE  
 NORTH WING  
 240 CHURCH STREET  
 SALINAS, CA

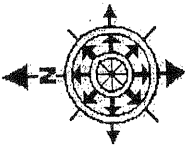
Micro Log In **86546**  
 Total Samples 1  
 Date Sampled 08/31/2006  
 Date Received 09/01/2006  
 Date Analyzed 09/01/2006

SAMPLE INFORMATION	ASBESTOS STRUCTURE COUNT	CALCULATED ASBESTOS STRUCTURE CONCENTRATION	
CLIENT ID <b>83106-R2-4</b>	ASBESTOS TYPE	Str. per mm <sup>2</sup> <b>&lt; 9.4</b>	Str. per cc <b>&lt; 0.002</b>
MICRO ID 86546-01	CHRYSOTILE <input type="text" value="0"/>	95% LCL 0.0	95% LCL 0.000
Time 599	GRUNERITE (AMOSITE) <input type="text" value="0"/>	95% UCL 34.8	95% UCL 0.006
LPM 4.00	RIEBECKITE (CROCIDOLITE) <input type="text" value="0"/>	Asbestos Structures Subdivided By Length	
Liters 2396.0	TREMOLITE <input type="text" value="0"/>	Length	No. S/mm <sup>2</sup> S/cc
DESCRIPTION	ACTINOLITE <input type="text" value="0"/>	< 5 μm	0 < 9.4 < 0.002
OUTSIDE WORK AREA	ANTHOPHYLLITE <input type="text" value="0"/>	≥ 5 μm	0 < 9.4 < 0.002
2ND FLOOR	TOTAL ASBESTOS <input type="text" value="0"/>		
MEZZANINE			
(REANALYSIS OF PCM 86544-04)			
<b>COMMENTS</b>			
NO ASBESTOS DETECTED			
The particle loading is moderate.			

Operating Parameters	Field Filter Data	Analytical Sensitivity	SAED Photo No. / ID
TEM Magnification 16,000X ± 5%	Type MCE	0.002 Str. per cc	
Grid Squares 10	Diameter 25 mm	<b>Quantitation Limits</b>	<b>Non-asbestos Structures</b>
Grid Square Area 0.0106 mm <sup>2</sup>	Collection Area 385 mm <sup>2</sup>	0.006 Str. per cc	Gypsum Other
Scan Area 0.1060 mm <sup>2</sup>		34.8 Str. per mm <sup>2</sup>	0 0

Technical Supervisor: Frank Ravola, M.S. Date Reported: 9/1/2006 Analyst: AL

Analyses follow a modification of the Level II protocol from Yamate and others, 1984, "Methodology for the Measurement of Airborne Asbestos by Transmission Electron Microscopy". Direct preparations follow the AHERA method (1987), 40 CFR Part 763, Appendix A to Subpart E. Asbestiform structures with aspect ratio of 3:1 or greater, are counted. Analysis may be stopped after 50 or more asbestos structures are counted. Concentrations and limits expressed in "Structures per mm<sup>2</sup>" are applicable only to samples with volumes of 1199 or more liters. The 95% UCL and LCL (Upper and Lower Limits of the Two-sided 95% Confidence Interval) are estimated measures of variability; they represent the highest and lowest expected concentrations (with 95% confidence) for a given asbestos count, based on measured concentration and standard statistical principles. Variability due to different airborne fiber distributions, whether on different portions of the same filter or from different filters from the same sampled area, may be significantly greater. Analytical sensitivity is the airborne concentration represented by each asbestos structure; it is not the same as the detection limit. The detection limit is approximately 3.7 times the analytical sensitivity. Non-asbestos counts are approximate; specific characterization of non-asbestos particles is not applicable to this analysis. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Air volume information is reported as given by the client. N/G = not given. N/A = not applicable.



# C&W Environmental Consulting, Inc.

## CHAIN OF CUSTODY

Project

Client: County of Monterey - Superior Courthouse North Wing

Site Address: 240 Church Street, Salinas CA

Sampling Date: 8/31/06

Page (s): 1 of 1

Turnaround Time: RUSH

ID	Analysis	Description	Start Time	Stop Time	Total Time	Average LPM	Total Liters	Pore Size
83000-022-1	PCM/TEM Yamate 2	Basement - holding cells	8:26	15:30	424	4	1696	0.04
83106-022-2	↓	↓ secure elevator shaft	8:38	18:17	579		2310	
3	PCM	1st floor - court hall & jury room	8:25	18:10	585		2340	
4	↓	2nd floor - mezzanine	8:21	18:20	599		2396	
5	↓	3rd floor - court hall @ jury room	8:29	18:24	595		2380	
6	↓	↓ admin @ switchboard of	8:27	18:39	605		2420	
7	PCM/TEM Yamate 2	outside air - east roof	8:31	18:28	597		2388	
8	↓	↓ Penthouse west room	8:32	18:29	597		2388	
-	PCM	sewer blank	:	:				
-	↓	field blank	:	:				

Additional Notes:

please analyze all PCMs 2006cc by TEM Yamate 2. Thanks!

Relinquished by: *[Signature]* Date & Time: 9/1/06 2:20pm  
 Relinquished by: *[Signature]* Date & Time: 9/1/06 3:05pm

Received by: *[Signature]* Date & Time: 9/1/06 2:20  
 Received by: *[Signature]* Date & Time: 9/1/06 02:46

Asbestos/Lead

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88544  
 86546  
 YAMATE II