

# MICRO ANALYTICAL LABORATORIES, INC.

## PHASE CONTRAST MICROSCOPY

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 **86487**  
Total Samples 9  
Date Sampled 08/30/2006  
Date Received 08/31/2006  
Date Analyzed 08/31/2006

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: <b>83006-R2-2</b> Micro: 86487-01 <b>OUTSIDE WORK AREA BASEMENT PUBLIC ELEVATOR SHAFT</b>	Time 610 Rate 4 Liters 2440.0	Fibers 50 Fields 100 F/mm <sup>2</sup> 63.7	<b>0.010</b>	LCL 0.005 LOD 0.001 CV	UCL 0.016 LOQ 0.016 0.28
Client: <b>83006-R2-3</b> Micro: 86487-02 <b>OUTSIDE WORK AREA 1ST FLOOR LOBBY CORRIDOR @ WATER FOUNTAIN</b>	Time 609 Rate 4 Liters 2436.0	Fibers 61.5 Fields 100 F/mm <sup>2</sup> 78.3	<b>0.012</b>	LCL 0.006 LOD 0.001 CV	UCL 0.019 LOQ 0.016 0.28
Client: <b>83006-R2-4</b> Micro: 86487-03 <b>OUTSIDE WORK AREA 2ND FLOOR MEZZANINE AT STAIRWAY</b>	Time 607 Rate 4 Liters 2428.0	Fibers 70 Fields 100 F/mm <sup>2</sup> 89.2	<b>0.014</b>	LCL 0.006 LOD 0.001 CV	UCL 0.022 LOQ 0.016 0.28
Client: <b>83006-R2-5</b> Micro: 86487-04 <b>OUTSIDE WORK AREA 3RD FLOOR MEZZANINE @ WATER FOUNTAIN</b>	Time 607 Rate 4 Liters 2428.0	Fibers 67.5 Fields 100 F/mm <sup>2</sup> 86.0	<b>0.014</b>	LCL 0.006 LOD 0.001 CV	UCL 0.021 LOQ 0.016 0.28
Client: <b>83006-R2-6</b> Micro: 86487-05 KS <b>OUTSIDE WORK AREA 3RD FLOOR ADMIN @ CUBICLES</b>	Time 597 Rate 4 Liters 2388.0	Fibers 42 Fields 100 F/mm <sup>2</sup> 53.5	<b>0.009</b>	LCL 0.004 LOD 0.001 CV	UCL 0.013 LOQ 0.016 0.28

Technical Supervisor: \_\_\_\_\_

  
Frank Raviola, M.S.

8/31/2006  
Date Reported

Analyst: \_\_\_\_\_

KS

AIHA IHLAP Laboratory Accreditation / PAT ID No. 101768. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., Issue 2 of Rev. 3, 8/15/1994). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm<sup>2</sup>. Limits of quantification for optimal precision and accuracy are 100 (LOQ) and 1300 fibers/mm<sup>2</sup>. The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-sided 95% Confidence Interval) represent the highest and lowest expected concentrations (in fibers/cc) for a given fiber count, based on the reported concentration. Intralaboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for compliance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + [1.645 x CV x Standard]). Concentrations are field blank-corrected. Time is in minutes, flow rate is in liters per minute. 8 Hour TWA: calculated time weighted average concentration (in fibers/cc) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary significantly from reported TWA values. The 8 hour TWA may not be statistically accurate for actual total times less than 8 hours; zero concentration is assumed for remaining time if no information is given. Micro Analytical Laboratories, Inc. assumes no responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Micro Analytical Laboratories, Inc. shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm<sup>2</sup>. N/A = not applicable.

# MICRO ANALYTICAL LABORATORIES, INC.

## PHASE CONTRAST MICROSCOPY

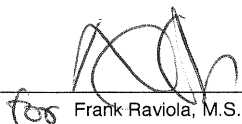
1122  
C & W Environmental Consulting  
2532 Santa Clara Avenue  
PMB 390  
Alameda, CA 94501

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

Micro Log In **86487**  
Total Samples 9  
Date Sampled 08/30/2006  
Date Received 08/31/2006  
Date Analyzed 08/31/2006

Sample ID	Field Data	Lab Data	Fibers / cc	Limits	
Client: <b>83006-R2-7</b> Micro: 86487-06 <b>OUTSIDE WORK AREA OUTSIDE AIR EAST ROOF</b>	Time 602 Rate 4 Liters 2408.0	Fibers 17 Fields 100 F/mm <sup>2</sup> 21.7	<b>0.003</b>	LCL 0.001 LOD 0.001 CV	UCL 0.006 LOQ 0.016 0.35
Client: <b>83006-R2-8</b> Micro: 86487-07 <b>OUTSIDE WORK AREA PENTHOUSE WEST ROOM</b>	Time 603 Rate 4 Liters 2412.0	Fibers 22 Fields 100 F/mm <sup>2</sup> 28.0	<b>0.004</b>	LCL 0.002 LOD 0.001 CV	UCL 0.007 LOQ 0.016 0.30
Client: <b>BLANK</b> Micro: 86487-08 <b>SEALED BLANK</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL  LOD  CV	UCL  LOQ  0.60
Client: <b>BLANK</b> Micro: 86487-09 <b>FIELD BLANK</b>	Time Rate Liters	Fibers 0 Fields 100 F/mm <sup>2</sup> < 7.0		LCL  LOD  CV	UCL  LOQ  0.60

Technical Supervisor: \_\_\_\_\_

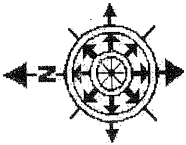
  
Frank Raviola, M.S.

8/31/2006  
Date Reported

Analyst: \_\_\_\_\_

KS

AIHA IHLAP Laboratory Accreditation / PAT ID No. 101768. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., Issue 2 of Rev. 3, 8/15/1994). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm<sup>2</sup>. Limits of quantification for optimal precision and accuracy are 100 (LOQ) and 1300 fibers/mm<sup>2</sup>. The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-sided 95% Confidence Interval) represent the highest and lowest expected concentrations (in fibers/cc) for a given fiber count, based on the reported concentration. Intralaboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for compliance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + [1.645 x CV x Standard]). Concentrations are field blank-corrected. Time is in minutes, flow rate is in liters per minute. 8 Hour TWA: calculated time weighted average concentration (in fibers/cc) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary significantly from reported TWA values. The 8 hour TWA may not be statistically accurate for actual total times less than 8 hours; zero concentration is assumed for remaining time if no information is given. Micro Analytical Laboratories, Inc. assumes no responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. This report must not be reproduced except in full, with the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Micro Analytical Laboratories, Inc. shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm<sup>2</sup>. N/A = not applicable.



**C&W Environmental Consulting, Inc.**

86487  
PCM

**CHAIN OF CUSTODY**

Project: \_\_\_\_\_

Client: County of Monterey - Superior Courthouse North Wing

Site Address: 240 Church Street, Salinas CA

Sampling Date: 8/30/06

Page (s): 1 of 1

Turnaround Time: RUSH

ID	Analysis	Description	Start Time	Stop Time	Total Time	Average LPM	Total Liters	Pore Size
B3006-22-2	PCM/TEM jamatc 2	OWA Basement public elevator shaft	8:31	18:31	610	4	2440	0.5µm
3	PCM	1 <sup>st</sup> floor - lobby corridor @ water fountain	8:17	18:26	609		2436	
4		2 <sup>nd</sup> floor - mezzanine at stairway	8:16	18:23	607		2428	
5		3 <sup>rd</sup> floor - mezzanine corridor @ water fountain	8:14	18:21	607		2428	
6		↓ admin @ cubicles	8:11	18:08	597		2388	
7	PCM/TEM jamatc 2	outside air @ east roof	8:09	18:11	602		2408	
8	↓	↓ Penthouse west room	8:10	18:13	603	↓	2412	
-	PCM	sealed blank	:	:				
-	↓	field blank	:	:				

Additional Notes: please analyze all samples 2001/06 by TEM jamatc 2. Thanks!

Relinquished by	Date & Time	Received by	Date & Time
<i>[Signature]</i>	8/31/06 2:00am	<i>[Signature]</i>	8/31/06 2:45p
<i>[Signature]</i>	8/31/06 3:45p	Kous Saalee	8/31/06 3:PM

Asbestos/Lead

2532 Santa Clara Avenue, PMB 390, Alameda, California 94501

Phone (510) 769-7230 ♦ Fax (510) 769-7270

www.cwenvironmental.net