

# 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 **86829**  
Total Samples 6  
Date Sampled 09/08/2006  
Date Received 09/09/2006  
Date Analyzed 09/09/2006

| Sample ID   | Field Data                            | Lab Data  | Fibers / cc       | Limits                             |                                      |
|---|---------------------------------------|---|-------------------|------------------------------------|--------------------------------------|
| Client: <b>COM-9806-R1-2</b><br>Micro: 86829-01 KS<br><b>1ST FLOOR LOBBY<br/>AT WATER FOUNTAIN</b>      | Time 270<br>Rate 7.5<br>Liters 2025.0 | Fibers 11<br>Fields 100<br>F/mm <sup>2</sup> 14.0 | <b>0.003</b>      | LCL<br>0.001<br>LOD<br>0.001<br>CV | UCL<br>0.004<br>LOQ<br>0.019<br>0.35 |
| Client: <b>COM-9806-R1-3</b><br>Micro: 86829-02<br><b>1ST FLOOR<br/>COURT HALL<br/>AT JURY ROOM</b>     | Time 272<br>Rate 7.5<br>Liters 2040.0 | Fibers 8<br>Fields 100<br>F/mm <sup>2</sup> 10.2  | <b>0.002</b>      | LCL<br>0.001<br>LOD<br>0.001<br>CV | UCL<br>0.003<br>LOQ<br>0.019<br>0.35 |
| Client: <b>COM-9806-R1-4</b><br>Micro: 86829-03<br><b>3RD FLOOR<br/>MEZZANINE<br/>AT WATER FOUNTAIN</b> | Time 285<br>Rate 7.5<br>Liters 2137.5 | Fibers 10<br>Fields 100<br>F/mm <sup>2</sup> 12.7 | <b>0.002</b>      | LCL<br>0.001<br>LOD<br>0.001<br>CV | UCL<br>0.004<br>LOQ<br>0.018<br>0.35 |
| Client: <b>COM-9806-R1-5</b><br>Micro: 86829-04<br><b>3RD FLOOR<br/>COURT HALL<br/>AT JURY ROOM</b>     | Time 287<br>Rate 7.5<br>Liters 2152.5 | Fibers 4<br>Fields 100<br>F/mm <sup>2</sup> < 7.0 | <b>&lt; 0.001</b> | LCL<br>0.000<br>LOD<br>0.001<br>CV | UCL<br>0.003<br>LOQ<br>0.018<br>0.60 |
| Client: <b>COM-9806-R1-6</b><br>Micro: 86829-05<br><b>FIELD BLANK</b>                                   | Time<br>Rate<br>Liters                | Fibers 0<br>Fields 100<br>F/mm <sup>2</sup> < 7.0 |                   | LCL<br>LOD<br>CV                   | UCL<br>LOQ<br>0.60                   |

Technical Supervisor: 

Frank Raviola, M.S.

9/9/2006

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.

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| Sample ID  | Field Data             | Lab Data  | Fibers / cc | Limits                        |
|--|------------------------|---|-------------|-------------------------------|
| Client: <b>COM-9806-R1-7</b><br>Micro: 86829-06<br><b>SEALED BLANK</b> | Time<br>Rate<br>Liters | Fibers 0<br>Fields 100<br>F/mm <sup>2</sup> < 7.0 |             | LCL UCL<br>LOD LOQ<br>CV 0.60 |

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

Frank Raviola, M.S.

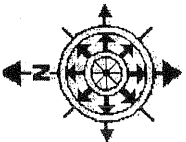
9/9/2006

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

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C&W Environmental Consulting, Inc.

CHAIN OF CUSTODY

86829  
PCM

Client: County of Monterey - North Wing Courthouse Sampling Date: 9/18/06

Site Address: 240 Courtes St. Salinas CA Page (s): 1 of 1

Turnaround Time: Ready!

| ID            | Analysis | Description  | Start Time  | Stop Time | Total Time | Average LPM | Total Liters | Pore Size |
|---------------|----------|--|-------------|-----------|------------|-------------|--------------|-----------|
| com-9806-R1-1 | PCM      | Basement - N. Corridor AT MECH. Room<br>PUMP ROOM FAUCET | 04:00:00    | 04:00:00  |            | 7.5         |              | 0.2       |
| 2             |          | 1/F Lobby AT WATER FOUNTAIN                              | 04:00:08:30 |           |            | 7.5         |              |           |
| 3             |          | 1/F Court Hall AT JURY Room                              | 04:00:08:32 |           |            | 7.5         |              |           |
| 4             |          | 3/F MEZZANINE AT WATER FOUNTAIN                          | 04:00:08:45 |           |            | 7.5         |              |           |
| 5             |          | 3/F COURT HALL AT JURY Room                              | 04:00:08:47 |           |            | 7.5         |              |           |
| 6             |          | FIELD BLANK  | :           | :         |            |             |              |           |
| 7             |          | SEALED BLANK   | :           | :         |            |             |              |           |

Additional Notes:  
 REANALYZE ANY SAMPLE OVER 0.01 f/cc BY DEN YAMATE 2.

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Relinquished by: <u>[Signature]</u> | Date & Time: <u>9/18/06</u>         |
| Relinquished by: <u>[Signature]</u> | Date & Time: <u>9/19/06 12:40</u>   |
| Received by: <u>[Signature]</u>     | Date & Time: <u>9/19/06 5:45 AM</u> |