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 **86714**
Total Samples 2
Date Sampled 09/06/2006
Date Received 09/07/2006
Date Analyzed 09/07/2006

SAMPLE INFORMATION

CLIENT ID
COM-9606-R2-4

MICRO ID 86714-01

Time	620
LPM	4.00
Liters	2480.0

DESCRIPTION
3RD FLOOR
MEZZANINE
AT WATER FOUNTAIN
(REANALYSIS OF PCM 86712-04)

ASBESTOS STRUCTURE COUNT

ASBESTOS TYPE	
CHRYSOTILE	0
GRUNERITE (AMOSITE)	0
RIEBECKITE (CROCIDOLITE)	0
TREMOLITE	0
ACTINOLITE	0
ANTHOPHYLLITE	0
TOTAL ASBESTOS	**0**

CALCULATED ASBESTOS STRUCTURE CONCENTRATION

Str. per mm²	Str. per cc
< 9.4	**< 0.001**
95% LCL	95% LCL
0.0	0.000
95% UCL	95% UCL
34.8	0.005

Asbestos Structures Subdivided By Length

Length	No.	S/mm²	S/cc
<5 μm	0	< 9.4	< 0.001
≥ 5 μm	0	< 9.4	< 0.001

COMMENTS
NO ASBESTOS DETECTED

The particle loading is moderate.

Operating Parameters		
TEM Magnification	16,000X ± 5%	
Grid Squares	10	
Grid Square Area	0.0106	mm²
Scan Area	0.1060	mm²

Field Filter Data		
Type	MCE	
Diameter	25	mm
Collection Area	385	mm²

Analytical Sensitivity
0.001 Str. per cc

Quantitation Limits
0.005 Str. per cc
34.8 Str. per mm²

SAED Photo No. / ID

Non-asbestos Structures

Gypsum	Other
0	0

Technical Supervisor: _____ 9/7/2006 Analyst: FPR
Frank Raviola, M.S. Date Reported

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 mm²" 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.

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 **86714**
Total Samples 2
Date Sampled 09/06/2006
Date Received 09/07/2006
Date Analyzed 09/07/2006

SAMPLE INFORMATION

CLIENT ID
COM-9606-R2-5

MICRO ID 86714-02

Time	612
LPM	4.00
Liters	2448.0

DESCRIPTION
2ND FLOOR
MEZZANINE
AT STAIRWELL
(REANALYSIS OF PCM 86712-05)

ASBESTOS STRUCTURE COUNT

ASBESTOS TYPE	
CHRYSOTILE	0
GRUNERITE (AMOSITE)	0
RIEBECKITE (CROCIDOLITE)	0
TREMOLITE	0
ACTINOLITE	0
ANTHOPHYLLITE	0
TOTAL ASBESTOS	0

CALCULATED ASBESTOS STRUCTURE CONCENTRATION

Str. per mm²	Str. per cc
< 9.4	< 0.001
95% LCL	95% LCL
0.0	0.000
95% UCL	95% UCL
34.8	0.005

Asbestos Structures Subdivided By Length

Length	No.	S/mm²	S/cc
<5 μm	0	< 9.4	< 0.001
≥5 μm	0	< 9.4	< 0.001

COMMENTS
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		0.001 Str. per cc	
Grid Squares	10		Diameter	25	mm	Quantitation Limits	Non-asbestos Structures
Grid Square Area	0.0106	mm²	Collection Area	385	mm²	0.005 Str. per cc	Gypsum: 0 Other: 0
Scan Area	0.1060	mm²				34.8 Str. per mm²	

Technical Supervisor: Frank Raviola, M.S. 9/7/2006 Date Reported Analyst: FPR

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 mm²" 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.

8671 4
Yamate II

CHAIN OF CUSTODY

Project

Client: County of Monterey - North Wing Courthouse
Site Address: 240 Church St Salinas Cal.

Sampling Date: 9 1 6 1 06
Page (s): 1 of 1
Turnaround Time: Rush

ID	Analysis	Description	Start Time	Stop Time	Total Time	Average LPM	Total Liters	Pore Size
COM-9666-R2- 1	PCM	EAST ROOF	06:49	17:24		4		.8
-2		PENTHOUSE WEST ROOM	06:51	17:25		4		
-3		3/F ADMINISTRATION AT CUBICLES	06:56	17:21		4		
-4		3/F MEZZANINE AT WATER FOUNTAIN	06:58	17:18		4		
-5		2/F MEZZANINE AT STAIRWELL	07:00	17:12		4		
-6		1/F LOBBY AT WATER FOUNTAIN	07:02	17:08		4		
-7		BASEMENT - SECURE ELEVATOR AT MECH. RM	07:06	14:45		4		
-8		- ~~WEST~~ CORRIDOR AT CONSTRUCTION	07:10	17:01		4		
-9		- NORTH CORRIDOR AT MECHANICAL ROOM	07:16	17:05		4		
-10		1/F COURT HALL AT JURY ROOM	07:04	17:06		4		

Additional Notes: SAMPLE # 11 - FIELD BLANK SAMPLE # 12 - SEALED BLANK
REANALYZE #'S 1, 2, 7, 9 & ANY SAMPLE OVER 0.01 F/cc BY TEM YAMATE 2.

Relinquished by:	Date & Time	Received by:	Date & Time
	9 1 6 1 06 :		9 1 7 1 06 12:4
Relinquished by:	Date & Time	Received by:	Date & Time
	9 1 7 1 06 12:4	Ken Soeker	9 1 7 1 06 3:30 AM

Asbestos/Lead

2532 Santa Clara Avenue, RMB 390, Alameda, California 94501
Phone (510) 769-7230 ♦ Fax (510) 769-7270
www.cwenvironmental.net