

SciLab Job #: 202022291

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Client Name: TRC Environmental Corporation

Phase Contrast Microscopy (PCM) Fiber Results

35052-0000-00007; NYC Law Dept.; 100 Church Street, OSHA

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	GS-OSHA-21302-0603 Mike Green	2/13/02	2	300	600	100	20	25.48	0.016	
02	GS-OSHA-21302-0604 Manolo Ailes	2/13/02	2	300	600	100	43	54.78	0.035	
03	GS-OSHA-21302-0605 Mike Green	2/13/02	2	240	480	100	23	29.30	0.024	Footnotes: 1
04	GS-OSHA-21302-0606 Manolo Ailes	2/13/02	2	240	480	100	1	1.27	< 0.006	
05	GS-OSHA-21302-0607 Blank	2/13/02	0	0	0	100	0.5	0.64		Footnotes: 2
06	GS-OSHA-21302-0608 Blank	2/13/02	0	0	0	100	0.5	0.64		Footnotes: 2

Reporting Notes:

(1) Moderate to heavy particulate matter is present on the filter which may obscure some fibers causing results with a low bias.

(2) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Marvin Brothers *Marvin Brothers*; Date Analyzed: 2/14/02

Samples analyzed by NIOSH 7400(A) Method, Issue #2, 8/15/94: Limit of Detection= 5.5 fibers per 100 fields or 7 fibers/mm²: This report relates ONLY to the sample analysis expressed as fibers/sq mm of filter area: ND=No fibers observed; NA= Not Analyzed; Walton-Beckett graticle field area = 0.00785 mm²: TWA = 8 Hr TWA calculation assumes zero exposure for remainder of 8 hr period not sampled: Upper 95% Confidence limit (Employers Compliance Test)- Calculated as a one sided UCL to determine 95% certainty of compliance with the 0.01 fiber/cc standard: Estimated relative standard deviation: Intralab Sr=0.405, Interlab Sr=0.45, New York samples (NYSDOH ELAP Lab # 11480): National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AIHA # 102843.

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