

SciLab Job #: 202022693

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Client Name: TRC Environmental Corporation

Phase Contrast Microscopy (PCM) Fiber Results

35052-0000-00007; New York City Law Department; 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-21502-OSHA-0615 Mike Green	2/15/02	2	420	840	100	58	73.89	0.034	Footnotes: 1
02	GS-21502-OSHA-0616 Marolo Alies	2/15/02	2	420	840	100	68	86.62	0.040	Footnotes: 1
03	GS-21502-OSHA-0617 Mike Green	2/15/02	3	210	630	100	88	112.10	0.069	Footnotes: 1
04	GS-21502-OSHA-0618 Marolo Alies	2/15/02	3	210	630	100	60	76.43	0.047	Footnotes: 1
05	GS-21502-OSHA-0619 Blank	2/15/02	0	0	0	100	0.5	0.64		Footnotes: 2
06	GS-21502-OSHA-0620 Blank	2/15/02	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 *msb*; Date Analyzed: 2/18/02

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.