

SciLab Job #: 202022794

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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<br>Sample # | Client<br>Sample # / Location     | Date<br>Collected | Flow<br>Rate<br>(liters/min.) | Duration<br>(min.) | Air<br>Filtered<br>(liters) | Fields | Fibers | Fiber<br>Density<br>(Fibers/mm <sup>2</sup> ) | Fibers<br>Conc.<br>(Fibers/cc) | TWA          |
|--------------------|-----------------------------------|-------------------|-------------------------------|--------------------|-----------------------------|--------|--------|-----------------------------------------------|--------------------------------|--------------|
| 01                 | GS-0218-OSHA-0624<br>Ruben Reyes  | 2/18/02           | 2                             | 300                | 600                         | 100    | 8      | 10.19                                         | 0.007                          |              |
| 02                 | GS-0218-OSHA-0411<br>Manolo Alias | 2/18/02           | 2                             | 300                | 600                         | 100    | 2      | 2.55                                          | < 0.004                        |              |
| 03                 | GS-0218-OSHA-0625<br>Ruben Reyes  | 2/18/02           | 2                             | 330                | 660                         | 100    | 12     | 15.29                                         | 0.009                          |              |
| 04                 | GS-0218-OSHA-0412<br>Manolo Alias | 2/18/02           | 2                             | 330                | 660                         | 100    | 10     | 12.74                                         | 0.007                          |              |
| 05                 | GS-0218-OSHA-B1<br>Field Blank    | 2/18/02           | 0                             | 0                  | 0                           | 100    | 0.5    | 0.64                                          |                                | Footnotes: 1 |
| 06                 | GS-0218-OSHA-B2<br>Field Blank    | 2/18/02           | 0                             | 0                  | 0                           | 100    | 0.5    | 0.64                                          |                                | Footnotes: 1 |

**Reporting Notes:**

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

Analyzed by: Devin Ahjee; Date Analyzed: 2/19/02

Samples analyzed by NIOSH 7400(A) Method, Issue #2, 8/15/94: Limit of Detection= 5.5 fibers per 100 fields or 7 fibers/mm<sup>2</sup>: 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 mm<sup>2</sup>: 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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