

Client Name: Applied Technology Services, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

A97195; FH 2nd Fl. DURINGS

iLab 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
1	86-082897-01 Field Blank	8/28/97	0	0	0	100	0.5	0.64		
2	86-082897-02 Field Blank	8/28/97	0	0	0	100	0.5	0.64		
3	86-082897-03 East Side Of Tent IWA - DUR	8/28/97	5	240	1200	100	36	45.86	0.015	
4	86-082897-04 West Side Of Tent IWA - DUR	8/28/97	5	240	1200	100	29	36.94	0.012	
5	86-082897-05 At Exhaust of AFU OWA - DUR	8/28/97	5	240	1200	100	9	11.46	0.004	
5	86-082897-06 East Side Of Tent IWA - DUR	8/28/97	5	160	800			NA		
7	86-082897-07 West Side Of Tent IWA - DUR	8/28/97	5	160	800			NA		
3	86-082897-08 At Exhaust of AFU OWA - DUR	8/28/97	5	160	800	100	4	5.10	< 0.003	

Reporting Notes:

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

(2) Analyst was unable to quantify fiber concentration because of overloading of particulate material on the filter.

Analyzed by: Filex Zalyaznik f. zalyaznik; Date Analyzed: 8/28/97 ELAP # 11480.

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 gradicule field area 0.00785 mm²; Duration in minutes; TWA = 8hr TWA calculation assumes zero exposure for remainder of 8 hour period not sampled; Upper 95% Confidence Limit (Employer's 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 = 0.270, Interlab Sr = 0.450. Phase Contrast Microscope: Olympus, Model CH-2.