

SciLab Job #: 98-08-5974

Client Name: Applied Technology Services, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

A98113

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	34081198-01 Field Blank	8/11/98	0	0	0	100	0.5	0.64		Footnotes: 1
02	34081198-02 Field Blank	8/11/98	0	0	0	100	0.5	0.64		Footnotes: 1
03	34081198-03 3rd Fl.-Prep-At the Decon Entrance	8/11/98	5	360	1800	100	4	5.10	< 0.001	
04	34081198-04 3rd Fl.-Prep-At the Decon Exit	8/11/98	5	360	1800	100	1	1.27	< 0.001	
05	34081198-05 3rd Fl.-Prep-At the North Side of the Floor	8/11/98	5	360	1800			NA		Footnotes: 2
06	34081198-06 3rd Fl.-Prep-At the East Side of the Door	8/11/98	5	360	1800	100	2	2.55	< 0.001	
07	34081198-07 3rd Fl.-Prep-Outside the Building	8/11/98	5	360	1800	100	4	5.10	< 0.001	
08	34081198-08 5th Fl.-Background-At the North Wall	8/11/98	15	120	1800			NA		Footnotes: 2
09	34081198-09 5th Fl.-Background-At the East Wall	8/11/98	15	120	1800			NA		Footnotes: 2
10	34081198-10 5th Fl.-Background-At the South Wall	8/11/98	15	120	1800			NA		Footnotes: 2
11	34081198-11 5th Fl.-Background-At the West Wall	8/11/98	15	120	1800			NA		Footnotes: 2
12	34081198-12 5th Fl.-Background-Outside the Building	8/11/98	15	120	1800	100	3	3.82	< 0.001	
13	34081198-13 6th Fl.-Background-At the North Wall	8/11/98	15	120	1800	100	1	1.27	< 0.001	
14	34081198-14 6th Fl.-Background-At the East Wall	8/11/98	15	120	1800			NA		Footnotes: 2
15	34081198-15 6th Fl.-Background-At the South Wall	8/11/98	15	120	1800	100	7	8.92	0.002	

CITY_21MC100_003110052

JD #: 98-08-5914

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16	34081198-16 6th Fl.-Background-At the West Wall	8/11/98	15	120	1800			NA		
17	34081198-17 6th Fl.-Background-Outside the Building	8/11/98	15	120	1800	100	3	3.82	< 0.001	
18	34081198-18 7th Fl.-Background-At the North Wall	8/11/98	15	120	1800	100	1	1.27	< 0.001	
19	34081198-19 7th Fl.-Background-At the East Wall	8/11/98	15	120	1800	100	1	1.27	< 0.001	
20	34081198-20 7th Fl.-Background-At the South Wall	8/11/98	15	120	1800	100	2	2.55	< 0.001	
21	34081198-21 7th Fl.-Background-At the West Wall	8/11/98	15	120	1800	100	1	1.27	< 0.001	
22	34081198-22 7th Fl.-Background-Outside the Building	8/11/98	15	120	1800	100	7	8.92	0.002	
23	34081198-23 3rd Fl.-Durings-At the Decon Entrance	8/11/98	5	210	1050	100	2	2.55	< 0.003	
24	34081198-24 3rd Fl.-Durings-At the Waste Decon Exit	8/11/98	5	210	1050	100	3	3.82	< 0.003	
25	34081198-25 3rd Fl.-Durings-At the Isolation Barrier	8/11/98	5	210	1050	100	1	1.27	< 0.003	
26	34081198-26 3rd Fl.-Durings-10' Away from the Critical	8/11/98	5	210	1050	100	4	5.10	< 0.003	
27	34081198-27 3rd Fl.-Durings-At the Exhaust Vent 10'	8/11/98	5	210	1050	100	1	1.27	< 0.003	
28	34081198-28 3rd Fl.-Durings-Inside Tent #2	8/11/98	7	80	560	100	4	5.10	< 0.005	
29	34081198-29 3rd Fl.-Durings-Inside Tent #2	8/11/98	7	80	560	100	0.5	0.64	< 0.005	
30	34081198-30 3rd Fl.-Durings-Inside Tent #3	8/11/98	7	140	980	100	0.5	0.64	< 0.003	

Footnotes: 2

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31	34081198-31 3rd Fl.-During-Inside Tent #4	8/11/98	6	200	1200	100	0.5	0.64	< 0.002	
32	34081198-32 3rd Fl.-During-Inside Tent #4	8/11/98	6	200	1200	100	3	3.82	< 0.002	
33	34081198-33 Field Blank	8/11/98	0	0	0	100	0.5	0.64		Footnotes: 1
34	34081198-34 Field Blank	8/11/98	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.

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

Analyzed by: Anthony Hinton *Anthony Hinton*; Date Analyzed: 8/12/98

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. ELAP #11480