

**ENVIRONMENTAL AIRBORNE AEROSOL ANALYSIS**

Client Name : EXAMPLE REPORT

Client Project # : ABC-123

Project : Bioaerosol analysis

EAA Project# : 06-1050

Date Collected : 01/16/06

Client Sample#	Sample Description / Location	Analysis Comments
1050-1	Room #618: at supply diffuser	High paint opaque (paint) particle and fiberglass fiber concentrations
1050-2	Room #619	Elevated penicillium mold spore and skin cell fragment concentrations
1050-3	Outside front door	Moderate outdoor assemblage of mold spores
1050-4	Main office lobby	Low bioaerosol concentrations
1050-5	Hallway, wing 800	Low bioaerosol concentrations, high opaque & fiberglass particles

**AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m<sup>3</sup>) -- Spore Trap Sample Analysis**

Category	Sample # -->	1050-1	1050-2	1050-3	1050-4	1050-5
<b>Total Mold Spores (Cts/m<sup>3</sup>)</b>		<b>889</b>	<b>14083</b>	<b>8667</b>	<b>1250</b>	<b>1250</b>
Alternaria		83	83		83	
Aspergillus/Penicillium		194	12083	667	750	750
Aureobasidium pullans				83		
Ascospores		111	250	1583		83
Basidiospores			167	2750	167	167
Botrytis				83		
Chaetomium				83		
Cladosporium		278	667	2417	167	83
Curvularia			83			
Drechslera/Bipolaris		28	83	83		
Epicoccum		28		167		
Fusarium						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts				167		
Smuts / Myxomycetes		83		83		83
Stachybotrys						
Stemphylium				83		
Torula						
Ulocladium						
Other Hyaline Fungi						
Other Fungi						
Unidentified Fungi		83	667	417	83	83
Hyphae fragments						
Algal spores				167		
Fern spores						
<b>POLLEN (Total cts/m<sup>3</sup>)</b>		<b>9</b>	<b>27</b>	<b>267</b>	<b>not detected</b>	<b>13</b>
Not specified		4	13	40		13
Ambrosia (ragweed)		4	13	133		
Gramineae (grass)				67		
Pine / pine look-alikes				27		
<b>OTHER AEROSOLS (cts/m<sup>3</sup>)</b>						
Skin cell fragments		83	25833	167	7083	10000
Fiberglass / mineral wool		222	250			2083
Cellulosic fibers		56	558	575	358	1667
Opaque particles		28		83		250
Other		556	4167	12500	16667	833
<b>Statistical Parameters</b>						
Vol. analyzed (m <sup>3</sup> )--mold/aerosols:		0.036	0.012	0.012	0.012	0.012
Detect limit(Cts/m <sup>3</sup> )--mold/aerosols:		27.8	83.3	83.3	83.3	83.3
% sample analyzed--mold / aerosols:		16%	16%	16%	16%	16%
Volume analyzed (m <sup>3</sup> )--pollen:		0.225	0.075	0.075	0.075	0.075
Detection limit (Cts/m <sup>3</sup> )--pollen:		4.4	13.3	13.3	13.3	13.3
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		15.00	15.00	15.00	15.00	15.00
Microscope field diameter (mm):		0.240	0.240	0.240	0.240	0.240

Analyst review signature: *Daniel M. Baxter*

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