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Client: Air Quality Management, Inc.  
 Project: 17-039 Manchester  
 WO: 011917B  
 Medium: Surface Tape

Received: 1/19/2017  
 Reported: 1/22/2017

### Quantitative Microscopic Examination Report - Fungal Spores

Lab Number:	011917B -10			011917B -11			011917B -12			011917B -13		
Sample Description:	T1 Collins Class Dust			T2 Mitchell Class Dust			T3 Henry Class Dust			T4 Stage Rm Dust		
Surface Area Sampled (cm <sup>2</sup> ):	1			1			1			1		
Detection Limit (Ct./cm <sup>2</sup> ):	12.0			4.0			4.0			4.0		
Background (0-5):	4 / 5			4			4			4		
Spore Genus/Category	Raw Ct	Ct./cm <sup>2</sup>	%	Raw Ct	Ct./cm <sup>2</sup>	%	Raw Ct	Ct./cm <sup>2</sup>	%	Raw Ct	Ct./cm <sup>2</sup>	%
Alternaria	8	96	4	4	16	3	8	32	4	17	68	10
Ascospores	7	84	4	4	16	3	5	20	3	3	12	2
Aspergillus/Penicillium-like	5	60	3	8	32	5	2	8	1			
Basidiospores	51	614	28	21	84	13	20	80	11	22	88	13
Bipolarus++	1	12	1							1	4	1
Botrytis												
Chaetomium												
Cladosporium	22	265	12	8	32	5	23	92	12	7	28	4
Curvularia	4	48	2	3	12	2	4	16	2	2	8	1
Epicoccum	11	133	6	10	40	6	13	52	7	11	44	7
Fusarium												
Memnoniella												
Pithomyces	2	24	1	3	12	2	6	24	3	10	40	6
Rhizopus												
Rusts							1	4	1			
Myxomycetes++	54	651	30	64	256	41	87	348	46	80	320	49
Stachybotrys												
Stemphillium							1	4	1			
Torula												
Trichoderma												
Ulocladium												
Bispora												
Hyphal Fragments	17	205	9	32	128	20	20	80	11	10	40	6
<b>Total Fungi</b>	<b>182</b>	<b>2,192</b>	<b>100</b>	<b>157</b>	<b>628</b>	<b>100</b>	<b>190</b>	<b>760</b>	<b>100</b>	<b>163</b>	<b>652</b>	<b>100</b>

Comment:

Relative Abundance: Trace = 1-10 spores, Low = 11-100 spores, Moderate = 101-1000 spores; High = >1000 spores


Note: Values may not appear to be additive due to rounding.

Bipolaris++ = Bipolarus/Dreschlera/Exserohilium; Myxomycetes++ = Smuts/Myxomycetes/Periconia

Detection Limits may vary depending on background debris and percent of sample area analyzed.

Debris Rating Scale: 0 = No particles visible; 5 = Contiguous debris. Background debris levels greater than 3 indicate poor visibility for the analyst reading the slide, which can result in under-counting of some types of spores, particularly smaller spores such as Aspergillus/Penicillium-like.

**Disclaimer:** Micro Diagnostic Services (MDS) is not responsible for limitations of sampling or analytical methodologies. Client is responsible for all sample collection activities including labeling of samples and proper submission of sample information on the Service Request Record form. Interpretation of data contained in this report is the responsibility of the Client. This report relates only to the samples contained herein and may not be reproduced, except in full, without written approval by MDS. In all cases, MDS maintains liability limited to the analytical fees charged by MDS for analysis. Use of this report or data contained herein by any party implies acceptance of these terms.

Analyst:   
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