

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	10105388: 10th flr. occ space, near 1010, before AHU run		10105347: 10th flr. occ space, near 1010, before AHU run		10105353: SA, outside rm 1010, AHU on		10105351: 10th flr. occ space, near 1010, before AHU run	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783244-1		783245-1		783246-1		783247-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	4	27	4	27			4	27
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	4	27						
Curvularia								
Epicoccum							1	7
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	7						
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces	1	7						
Rusts*								
Smuts*, Periconia, Myxomycetes*	1	7	1	7			1	7
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		1+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		75		34		< 7		41

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
 †† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be actually higher than reported. Background debris also affects the reporting limit for some spore types. The reporting limit is dependent on spore size, background debris, sample volume, and the percentage of the trace analyzed. It is important to account for sample volumes when evaluating dust levels. The minimum reporting limit is based on a raw count of one, which the lowest count that can be detected.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	10105326: SA, outside rm 1010, AHU on		10105382: 10th flr. occ space, near 1010, AHU on		10105362: SA, outside rm 1010, AHU on		10105363: 10th flr. occ space, near 1010, AHU on	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783248-1		783249-1		783250-1		783251-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*					4	27		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*			1	7				
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	< 1+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		< 7		7		27		< 7

Comments:

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	10105333: SA, outside rm 1010, AHU on		10105273: 10th fl. occ space, near 1010, AHU on		10105288: 10th fl. occ space, near 1010, AHU on		10105403: Outside, 17 SW	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783252-1		783253-1		783254-1		783255-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*							260	1,730
Aureobasidium								
Basidiospores*							2,560	17,100
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium							50	333
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†							20	133
Pithomyces							1	7
Rusts*								
Smuts*, Periconia, Myxomycetes*					1	7	7	47
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		< 7		< 7		7		19,350

Comments:

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 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	10105419: 17th supply, AHU off		10105426: 17th SW, AHU off		10105395: 17th supply, AHU start		10105438: 17th SW, AHU start	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783256-1		783257-1		783258-1		783259-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	4	27	4	27				
Aureobasidium								
Basidiospores*	12	80	16	107	4	27	8	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	4	27					1	7
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†							4	27
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*							1	7
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		134		134		27		94

Comments:

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 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	10105367: 17th supply, AHU off		10105391: 17th SW, AHU off		10105384: 17th supply, AHU off		10105332: 17th SW, AHU off	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783260-1		783261-1		783262-1		783263-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			1	7				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	7						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†							4	27
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	1+		1+		1+		1+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		7		7		< 7		27

Comments:

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 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	10105500: Outside, 17 SW		10105377: OA on 20, light rain		10105414: 18, across from P. Gawron, before		10105408: 18, across from P. Gawron, before	
Comments (see below)	A		B		None		None	
Lab ID-Version‡:	783264-1		783265-1		783266-1		783267-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria							1	7
Arthrinium								
Ascospores*	330	2,200	200	1,330				
Aureobasidium								
Basidiospores*	2,000	13,300	1,540	10,300	8	53	12	80
Bipolaris/Drechslera group								
Botrytis	1	7						
Chaetomium								
Cladosporium	80	533	60	400				
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	7						
Other colorless								
Penicillium/Aspergillus types†	94	627	86	573				
Pithomyces	1	7						
Rusts*			1	7				
Smuts*, Periconia, Myxomycetes*			5	33				
Stachybotrys								
Stemphylium								
Torula	1	7						
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	1+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		16,688		12,643		53		87

Comments: A) 24 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. B) 46 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	10105387: 18, supply air, after, SA		10105352: 18, room P. Gawron, after, room		10105407: 18, SA, 2nd after, SA		10105354: 18, room, 2nd after, room	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783268-1		783269-1		783270-1		783271-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*			1	7				
Aureobasidium								
Basidiospores*	2	13	1	7			3	20
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	7			1	7	2	13
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	7	3	20	1	7	2	13
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*			2	13	1	7		
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		27		47		21		46

Comments:

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 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	10105346: 18, SA, 3rd after, SA		10105334: 18, room3rd after, room		10105330: OA on 20, light rain	
Comments (see below)	None		None		None	
Lab ID-Version‡:	783272-1		783273-1		783274-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					1	7
Arthrinium						
Ascospores*					190	1,270
Aureobasidium						
Basidiospores*					1,710	11,400
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium			1	7	80	533
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†					70	467
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*			2	13	1	7
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Unknown						
Zygomycetes						
Background debris (1-4+)††	1+		1+		1+	
Sample volume (liters)	150		150		150	
TOTAL SPORES/M3		< 7		20		13,684

Comments:

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MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 10105403, Outside, 17 SW

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: October				State: CT			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	310	60	12	27	230	39
Bipolaris/Drechslera group	-	7	13	200	23	-	-	-	13
Chaetomium	-	7	13	120	19	-	-	-	3
Cladosporium	333	53	800	9,100	98	18	610	13,000	88
Curvularia	-	7	27	750	26	13	27	3,700	21
Nigrospora	-	7	13	270	22	-	-	-	15
Other brown	-	7	13	120	41	13	13	53	33
Penicillium/Aspergillus types	133	53	320	4,300	94	20	210	5,200	90
Pithomyces	7	7	13	290	12	13	40	2,900	26
Stachybotrys	-	7	13	190	4	-	-	-	< 1
Torula	-	7	13	160	13	-	-	-	7
Seldom found growing indoors**									
Ascospores	1,730	13	160	3,000	78	38	640	4,900	78
Basidiospores	17,100	27	430	16,000	97	16	2,100	28,000	92
Botrytis	-	7	20	200	11	-	-	-	8
Rusts	-	7	13	370	26	13	40	220	20
Smuts, Periconia, Myxomycetes	47	7	53	680	78	13	53	820	59
TOTAL SPORES/M3	19,350								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, Environmental Microbiology Laboratory, Inc. may not have received and tested a representative number of samples for every region or time period. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 10105500, Outside, 17 SW

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: October				State: CT			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	310	60	12	27	230	39
Bipolaris/Drechslera group	-	7	13	200	23	-	-	-	13
Chaetomium	-	7	13	120	19	-	-	-	3
Cladosporium	533	53	800	9,100	98	18	610	13,000	88
Curvularia	-	7	27	750	26	13	27	3,700	21
Nigrospora	-	7	13	270	22	-	-	-	15
Other brown	7	7	13	120	41	13	13	53	33
Penicillium/Aspergillus types	627	53	320	4,300	94	20	210	5,200	90
Pithomyces	7	7	13	290	12	13	40	2,900	26
Stachybotrys	-	7	13	190	4	-	-	-	< 1
Torula	7	7	13	160	13	-	-	-	7
Seldom found growing indoors**									
Ascospores	2,200	13	160	3,000	78	38	640	4,900	78
Basidiospores	13,300	27	430	16,000	97	16	2,100	28,000	92
Botrytis	7	7	20	200	11	-	-	-	8
Rusts	-	7	13	370	26	13	40	220	20
Smuts, Periconia, Myxomycetes	-	7	53	680	78	13	53	820	59
TOTAL SPORES/M3	16,688								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

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Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 10105377, OA on 20, light rain

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: October				State: CT			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	310	60	12	27	230	39
Bipolaris/Drechslera group	-	7	13	200	23	-	-	-	13
Chaetomium	-	7	13	120	19	-	-	-	3
Cladosporium	400	53	800	9,100	98	18	610	13,000	88
Curvularia	-	7	27	750	26	13	27	3,700	21
Nigrospora	-	7	13	270	22	-	-	-	15
Other brown	-	7	13	120	41	13	13	53	33
Penicillium/Aspergillus types	573	53	320	4,300	94	20	210	5,200	90
Pithomyces	-	7	13	290	12	13	40	2,900	26
Stachybotrys	-	7	13	190	4	-	-	-	< 1
Torula	-	7	13	160	13	-	-	-	7
Seldom found growing indoors**									
Ascospores	1,330	13	160	3,000	78	38	640	4,900	78
Basidiospores	10,300	27	430	16,000	97	16	2,100	28,000	92
Botrytis	-	7	20	200	11	-	-	-	8
Rusts	7	7	13	370	26	13	40	220	20
Smuts, Periconia, Myxomycetes	33	7	53	680	78	13	53	820	59
TOTAL SPORES/M3	12,643								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

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**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

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Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 10105330, OA on 20, light rain

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: October				State: CT			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	7	7	27	310	60	12	27	230	39
Bipolaris/Drechslera group	-	7	13	200	23	-	-	-	13
Chaetomium	-	7	13	120	19	-	-	-	3
Cladosporium	533	53	800	9,100	98	18	610	13,000	88
Curvularia	-	7	27	750	26	13	27	3,700	21
Nigrospora	-	7	13	270	22	-	-	-	15
Other brown	-	7	13	120	41	13	13	53	33
Penicillium/Aspergillus types	467	53	320	4,300	94	20	210	5,200	90
Pithomyces	-	7	13	290	12	13	40	2,900	26
Stachybotrys	-	7	13	190	4	-	-	-	< 1
Torula	-	7	13	160	13	-	-	-	7
Seldom found growing indoors**									
Ascospores	1,270	13	160	3,000	78	38	640	4,900	78
Basidiospores	11,400	27	430	16,000	97	16	2,100	28,000	92
Botrytis	-	7	20	200	11	-	-	-	8
Rusts	-	7	13	370	26	13	40	220	20
Smuts, Periconia, Myxomycetes	7	7	53	680	78	13	53	820	59
TOTAL SPORES/M3	13,684								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

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Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 10105403: Outside, 17 SW

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores					13 - 150 - 3,500	77
Basidiospores					22 - 350 - 13,000	94
Cladosporium					53 - 590 - 7,800	96
Penicillium/Aspergillus types					33 - 210 - 2,700	90
Pithomyces					7 - 13 - 470	8
Smuts, Periconia, Myxomycetes					7 - 40 - 750	70
Total						

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 10105388: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.7273	dF: 7 Result: 0.2321 Critical value: 0.6786 Outside Similar: No	Score: 107 Result: Low
Species Detected	Spores/m3			
	<100	1K	10K	>100K
Basidiospores				
Cladosporium				
Other brown				
Pithomyces				
Smuts, Periconia, Myxomycetes				
Total				

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105347: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.4286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					27
Smuts, Periconia, Myxomycetes					7
Total					34

Location: 10105353: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 10105351: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.1518 Critical value: 0.6786 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					27
Epicoccum					7
Smuts, Periconia, Myxomycetes					7
Total					41

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105326: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105382: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Smuts, Periconia, Myxomycetes		7		
Total		7		

Location: 10105362: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Basidiospores		27		
Total		27		

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105363: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105333: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105273: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105288: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					7
Total					7

Location: 10105419: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.9286 Critical value: 0.7714 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					27
Basidiospores					80
Cladosporium					27
Total					134

Location: 10105426: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.8571 Critical value: 0.7714 Outside Similar: Yes	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					27
Basidiospores					107
Total					134

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105395: 17th supply, AHU start

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					27
Total					27

Location: 10105438: 17th SW, AHU start

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.8000	dF: 6 Result: 0.4571 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					7
Penicillium/Aspergillus types					27
Smuts, Periconia, Myxomycetes					7
Total					94

Location: 10105367: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.3714 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Total					7

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105391: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores		7			
Total		7			

Location: 10105384: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected		N/A			

Location: 10105332: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.2000 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types		27			
Total		27			

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105414: 18, across from P. Gawron, before

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Total					53

Location: 10105408: 18, across from P. Gawron, before

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.2857 Critical value: 0.6786 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					7
Basidiospores					80
Total					87

Location: 10105387: 18, supply air, after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.6429 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					13
Cladosporium					7
Penicillium/Aspergillus types					7
Total					27

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105352: 18, room P. Gawron, after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.8000	dF: 6 Result: 0.0571 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					7
Basidiospores					7
Penicillium/Aspergillus types					20
Smuts, Periconia, Myxomycetes					13
Total					47

Location: 10105407: 18, SA, 2nd after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: -0.1429 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Penicillium/Aspergillus types					7
Smuts, Periconia, Myxomycetes					7
Total					21

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105354: 18, room, 2nd after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.6429 Critical value: 0.7714 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					20
Cladosporium					13
Penicillium/Aspergillus types					13
Total					46

Location: 10105346: 18, SA, 3rd after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 10105334: 18, room3rd after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.0857 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Smuts, Periconia, Myxomycetes					13
Total					20

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

Client: Turner Building Science, LLC
C/O: Mr. William Turner
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Date of Sampling: 10-18-2005
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MoldSTAT™: Supplementary Statistical Spore Trap Report

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 10105500: Outside, 17 SW

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %	
	<100	1K	10K	>100K			
Ascospores					2,200	13 - 150 - 3,500	77
Basidiospores					13,300	22 - 350 - 13,000	94
Botrytis					7	7 - 22 - 210	17
Cladosporium					533	53 - 590 - 7,800	96
Other brown					7	7 - 13 - 93	40
Penicillium/Aspergillus types					627	33 - 210 - 2,700	90
Pithomyces					7	7 - 13 - 470	8
Smuts, Periconia, Myxomycetes					ND	7 - 40 - 750	70
Torula					7	7 - 13 - 180	12
Total					16,688		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 10105388: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6154	dF: 9 Result: 0.1958 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low	
Species Detected	Spores/m3				
	<100	1K	10K	>100K	
Basidiospores					27
Cladosporium					27
Other brown					7
Pithomyces					7
Smuts, Periconia, Myxomycetes					7
Total					75

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105347: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3417 Critical value: 0.5833 Outside Similar: No	Score: 101 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Basidiospores		27		
Smuts, Periconia, Myxomycetes		7		
Total		34		

Location: 10105353: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105351: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.1818	dF: 10 Result: 0.0970 Critical value: 0.5515 Outside Similar: No	Score: 104 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Basidiospores		27		
Epicoccum		7		
Smuts, Periconia, Myxomycetes		7		
Total		41		

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105326: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105382: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: 9 Result: 0.0917 Critical value: 0.5833 Outside Similar: No	Score: 101 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Smuts, Periconia, Myxomycetes		7		
Total		7		

Location: 10105362: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.7262 Critical value: 0.6190 Outside Similar: Yes	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Basidiospores		27		
Total		27		

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105363: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105333: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105273: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105288: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: 9 Result: 0.0917 Critical value: 0.5833 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					7
Total					7

Location: 10105419: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.8512 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					27
Basidiospores					80
Cladosporium					27
Total					134

Location: 10105426: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.8512 Critical value: 0.6190 Outside Similar: Yes	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					27
Basidiospores					107
Total					134

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105395: 17th supply, AHU start

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.7262 Critical value: 0.6190 Outside Similar: Yes	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				27
	Total				27

Location: 10105438: 17th SW, AHU start

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 9 Result: 0.5208 Critical value: 0.5833 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				53
	Cladosporium				7
	Penicillium/Aspergillus types				27
	Smuts, Periconia, Myxomycetes				7
	Total				94

Location: 10105367: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.4405 Critical value: 0.6190 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Cladosporium				7
	Total				7

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105414: 18, across from P. Gawron, before

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.7262 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Total					53

Location: 10105408: 18, across from P. Gawron, before

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3417 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					7
Basidiospores					80
Total					87

Location: 10105387: 18, supply air, after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.7679 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					13
Cladosporium					7
Penicillium/Aspergillus types					7
Total					27

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105352: 18, room P. Gawron, after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 9 Result: 0.4042 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					7
Basidiospores					7
Penicillium/Aspergillus types					20
Smuts, Periconia, Myxomycetes					13
Total					47

Location: 10105407: 18, SA, 2nd after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.1292 Critical value: 0.5833 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Penicillium/Aspergillus types					7
Smuts, Periconia, Myxomycetes					7
Total					21

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105354: 18, room, 2nd after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.7679 Critical value: 0.6190 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					20
Cladosporium					13
Penicillium/Aspergillus types					13
Total					46

Location: 10105346: 18, SA, 3rd after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 10105334: 18, room3rd after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.0083 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Smuts, Periconia, Myxomycetes					13
Total					20

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
Date of Receipt: 10-19-2005
Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 10105377: OA on 20, light rain

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores					13 - 150 - 3,500	77
Basidiospores					22 - 350 - 13,000	94
Cladosporium					53 - 590 - 7,800	96
Penicillium/Aspergillus types					33 - 210 - 2,700	90
Rusts					7 - 20 - 290	24
Smuts, Periconia, Myxomycetes					7 - 40 - 750	70
Total						

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 10105388: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.1190 Critical value: 0.6190 Outside Similar: No	Score: 107 Result: Low
Species Detected	Spores/m3			
	<100	1K	10K	>100K
Basidiospores				
Cladosporium				
Other brown				
Pithomyces				
Smuts, Periconia, Myxomycetes				
Total				

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105347: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.4286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores		27			
Smuts, Periconia, Myxomycetes		7			
Total		34			

Location: 10105353: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected		N/A			

Location: 10105351: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.1518 Critical value: 0.6786 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores		27			
Epicoccum		7			
Smuts, Periconia, Myxomycetes		7			
Total		41			

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
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Date of Sampling: 10-18-2005
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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105326: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
		>100K		
None Detected		N/A		

Location: 10105382: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
		>100K		
Smuts, Periconia, Myxomycetes		7		
Total		7		

Location: 10105362: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
		>100K		
Basidiospores		27		
Total		27		

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105363: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
		>100K		
None Detected		N/A		

Location: 10105333: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
		>100K		
None Detected		N/A		

Location: 10105273: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
		>100K		
None Detected		N/A		

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105288: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					7
Total					7

Location: 10105419: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.7857 Critical value: 0.7714 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					27
Basidiospores					80
Cladosporium					27
Total					134

Location: 10105426: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.8571 Critical value: 0.7714 Outside Similar: Yes	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					27
Basidiospores					107
Total					134

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105395: 17th supply, AHU start

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					27
Total					27

Location: 10105438: 17th SW, AHU start

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.8000	dF: 6 Result: 0.5429 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					7
Penicillium/Aspergillus types					27
Smuts, Periconia, Myxomycetes					7
Total					94

Location: 10105367: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.2000 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Total					7

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105391: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores		7			
Total		7			

Location: 10105384: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected		N/A			

Location: 10105332: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.3714 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types		27			
Total		27			

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105414: 18, across from P. Gawron, before

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Total					53

Location: 10105408: 18, across from P. Gawron, before

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.2857 Critical value: 0.6786 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					7
Basidiospores					80
Total					87

Location: 10105387: 18, supply air, after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.6429 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					13
Cladosporium					7
Penicillium/Aspergillus types					7
Total					27

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105352: 18, room P. Gawron, after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.8000	dF: 6 Result: 0.3143 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					7
Basidiospores					7
Penicillium/Aspergillus types					20
Smuts, Periconia, Myxomycetes					13
Total					47

Location: 10105407: 18, SA, 2nd after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: -0.1429 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Penicillium/Aspergillus types					7
Smuts, Periconia, Myxomycetes					7
Total					21

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105354: 18, room, 2nd after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.6429 Critical value: 0.7714 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					20
Cladosporium					13
Penicillium/Aspergillus types					13
Total					46

Location: 10105346: 18, SA, 3rd after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 10105334: 18, room3rd after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.2286 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Smuts, Periconia, Myxomycetes					13
Total					20

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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MoldSTAT™: Supplementary Statistical Spore Trap Report

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 10105330: OA on 20, light rain

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				7	7 - 27 - 310	56
Ascospores				1,270	13 - 150 - 3,500	77
Basidiospores				11,400	22 - 350 - 13,000	94
Cladosporium				533	53 - 590 - 7,800	96
Penicillium/Aspergillus types				467	33 - 210 - 2,700	90
Smuts, Periconia, Myxomycetes				7	7 - 40 - 750	70
Total				13,684		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 10105388: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.2202 Critical value: 0.6190 Outside Similar: No	Score: 107 Result: Low
Species Detected	Spores/m3			
	<100	1K	10K	>100K
Basidiospores				27
Cladosporium				27
Other brown				7
Pithomyces				7
Smuts, Periconia, Myxomycetes				7
Total				75

Client: Turner Building Science, LLC
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 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105347: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.3714 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores		27			
Smuts, Periconia, Myxomycetes		7			
Total		34			

Location: 10105353: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected		N/A			

Location: 10105351: 10th flr. occ space, near 1010, before AHU run

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.1071 Critical value: 0.6786 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores		27			
Epicoccum		7			
Smuts, Periconia, Myxomycetes		7			
Total		41			

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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105326: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 10105382: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: -0.0429 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					7
Total					7

Location: 10105362: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					27
Total					27

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105363: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105333: SA, outside rm 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Location: 10105273: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		N/A		

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105288: 10th flr. occ space, near 1010, AHU on

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: -0.0429 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					7
Total					7

Location: 10105419: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.9429 Critical value: 0.7714 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					27
Basidiospores					80
Cladosporium					27
Total					134

Location: 10105426: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.8714 Critical value: 0.7714 Outside Similar: Yes	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					27
Basidiospores					107
Total					134

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105395: 17th supply, AHU start

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					27
Total					27

Location: 10105438: 17th SW, AHU start

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.8000	dF: 6 Result: 0.4143 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					7
Penicillium/Aspergillus types					27
Smuts, Periconia, Myxomycetes					7
Total					94

Location: 10105367: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.3857 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Total					7

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105391: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7286 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores		7			
Total		7			

Location: 10105384: 17th supply, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected		N/A			

Location: 10105332: 17th SW, AHU off

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.2143 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types		27			
Total		27			

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105414: 18, across from P. Gawron, before

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7286 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Total					53

Location: 10105408: 18, across from P. Gawron, before

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.3714 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					7
Basidiospores					80
Total					87

Location: 10105387: 18, supply air, after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.6571 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					13
Cladosporium					7
Penicillium/Aspergillus types					7
Total					27

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105352: 18, room P. Gawron, after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.8000	dF: 6 Result: -0.0286 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores		█			7
Basidiospores		█			7
Penicillium/Aspergillus types		█			20
Smuts, Periconia, Myxomycetes		█			13
Total		█			47

Location: 10105407: 18, SA, 2nd after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: -0.2143 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium		█			7
Penicillium/Aspergillus types		█			7
Smuts, Periconia, Myxomycetes		█			7
Total		█			21

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 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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 Date of Report: 10-21-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 10105354: 18, room, 2nd after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.6571 Critical value: 0.7714 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					20
Cladosporium					13
Penicillium/Aspergillus types					13
Total					46

Location: 10105346: 18, SA, 3rd after, SA

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 10105334: 18, room3rd after, room

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 26 Result: 18.0582 Critical value: 38.8851 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.1714 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					7
Smuts, Periconia, Myxomycetes					13
Total					20

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
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MoldSTAT™: Supplementary Statistical Spore Trap Report

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H₀) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	10105388: 10th flr. occ space, near 1010, before AHU run		10105347: 10th flr. occ space, near 1010, before AHU run		10105353: SA, outside rm 1010, AHU on		10105351: 10th flr. occ space, near 1010, before AHU run	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783279-1		783280-1		783281-1		783282-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN:								
Alder (Alnus)								
Ash (Fraxinus)								
Birch (Betula)								
Cedar/Juniper (Cupressaceae)								
Chenopods (Chenopodiaceae)								
Elm (Ulmus)								
Eucalyptus (Eucalyptus)								
Grass (Poaceae)								
Mulberry (Morus)								
Oak (Quercus)								
Other								
Pine (Pinaceae)								
Ragweed (Ambrosieae)								
Sycamore (Platanus)								
OTHER PLANT:								
Algae								
Diatoms								
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)	1	7						
OTHER PARTICLES:								
ANIMAL:								
Epithelial (skin) cells	56	373	60	400	3	20	48	320
Hair								
Insect parts								
Mites								
FUNGI:								
Hyphal fragments	2	13						
NON-BIOLOGICAL:								
Glass fiber								
Starch								
Background debris (1-4+)†	2+		2+		1+		2+	
Sample volume (liters)	150		150		150		150	

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work.

† Background debris is an indication of the amounts of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. To evaluate dust levels it is important to account for differences in sample volume.

‡ A "Version" greater than 1 indicates amended data.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	10105326: SA, outside rm 1010, AHU on		10105382: 10th fl. occ space, near 1010, AHU on		10105362: SA, outside rm 1010, AHU on		10105363: 10th fl. occ space, near 1010, AHU on	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783283-1		783284-1		783285-1		783286-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN:								
Alder (Alnus)								
Ash (Fraxinus)								
Birch (Betula)								
Cedar/Juniper (Cupressaceae)								
Chenopods (Chenopodiaceae)								
Elm (Ulmus)								
Eucalyptus (Eucalyptus)								
Grass (Poaceae)								
Mulberry (Morus)								
Oak (Quercus)								
Other								
Pine (Pinaceae)								
Ragweed (Ambrosieae)								
Sycamore (Platanus)								
OTHER PLANT:								
Algae								
Diatoms								
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)								
OTHER PARTICLES:								
ANIMAL:								
Epithelial (skin) cells	2	13	36	240	48	320	32	213
Hair								
Insect parts								
Mites								
FUNGI:								
Hyphal fragments			2	13				
NON-BIOLOGICAL:								
Glass fiber								
Starch								
Background debris (1-4+)†	< 1+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work.

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‡ A "Version" greater than 1 indicates amended data.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	10105333: SA, outside rm 1010, AHU on		10105273: 10th flr. occ space, near 1010, AHU on		10105288: 10th flr. occ space, near 1010, AHU on		10105403: Outside, 17 SW	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783287-1		783288-1		783289-1		783290-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN:								
Alder (Alnus)								
Ash (Fraxinus)								
Birch (Betula)								
Cedar/Juniper (Cupressaceae)								
Chenopods (Chenopodiaceae)								
Elm (Ulmus)								
Eucalyptus (Eucalyptus)								
Grass (Poaceae)							1	7
Mulberry (Morus)								
Oak (Quercus)								
Other								
Pine (Pinaceae)								
Ragweed (Ambrosieae)								
Sycamore (Platanus)								
OTHER PLANT:								
Algae								
Diatoms								
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)					2	13	2	13
OTHER PARTICLES:								
ANIMAL:								
Epithelial (skin) cells	20	133	32	213	64	427	3	20
Hair								
Insect parts								
Mites								
FUNGI:								
Hyphal fragments							1	7
NON-BIOLOGICAL:								
Glass fiber								
Starch								
Background debris (1-4+)†	2+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work.

† Background debris is an indication of the amounts of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. To evaluate dust levels it is important to account for differences in sample volume.

‡ A "Version" greater than 1 indicates amended data.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	10105419: 17th supply, AHU off		10105426: 17th SW, AHU off		10105395: 17th supply, AHU start		10105438: 17th SW, AHU start	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783291-1		783292-1		783293-1		783294-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN:								
Alder (Alnus)								
Ash (Fraxinus)								
Birch (Betula)								
Cedar/Juniper (Cupressaceae)								
Chenopods (Chenopodiaceae)								
Elm (Ulmus)								
Eucalyptus (Eucalyptus)								
Grass (Poaceae)								
Mulberry (Morus)								
Oak (Quercus)								
Other	1	7						
Pine (Pinaceae)								
Ragweed (Ambrosieae)								
Sycamore (Platanus)								
OTHER PLANT:								
Algae								
Diatoms								
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)			1	7				
OTHER PARTICLES:								
ANIMAL:								
Epithelial (skin) cells	44	293	76	507	28	187	44	293
Hair								
Insect parts			1	7				
Mites								
FUNGI:								
Hyphal fragments					1	7		
NON-BIOLOGICAL:								
Glass fiber								
Starch	1	7					5	33
Background debris (1-4+)†	2+		2+		1+		2+	
Sample volume (liters)	150		150		150		150	

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work.

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‡ A "Version" greater than 1 indicates amended data.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	10105367: 17th supply, AHU off		10105391: 17th SW, AHU off		10105384: 17th supply, AHU off		10105332: 17th SW, AHU off	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783295-1		783296-1		783297-1		783298-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN:								
Alder (Alnus)								
Ash (Fraxinus)								
Birch (Betula)								
Cedar/Juniper (Cupressaceae)								
Chenopods (Chenopodiaceae)								
Elm (Ulmus)								
Eucalyptus (Eucalyptus)								
Grass (Poaceae)								
Mulberry (Morus)								
Oak (Quercus)								
Other								
Pine (Pinaceae)								
Ragweed (Ambrosieae)								
Sycamore (Platanus)								
OTHER PLANT:								
Algae								
Diatoms								
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)								
OTHER PARTICLES:								
ANIMAL:								
Epithelial (skin) cells	12	80	20	133	8	53	16	107
Hair								
Insect parts								
Mites								
FUNGI:								
Hyphal fragments								
NON-BIOLOGICAL:								
Glass fiber								
Starch							3	20
Background debris (1-4+)†	1+		2+		1+		1+	
Sample volume (liters)	150		150		150		150	

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work.

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‡ A "Version" greater than 1 indicates amended data.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	10105500: Outside, 17 SW		10105377: OA on 20, light rain		10105414: 18, across from P. Gawron, before		10105408: 18, across from P. Gawron, before	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783299-1		783300-1		783301-1		783302-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN:								
Alder (Alnus)								
Ash (Fraxinus)								
Birch (Betula)								
Cedar/Juniper (Cupressaceae)								
Chenopods (Chenopodiaceae)								
Elm (Ulmus)								
Eucalyptus (Eucalyptus)								
Grass (Poaceae)								
Mulberry (Morus)								
Oak (Quercus)								
Other								
Pine (Pinaceae)								
Ragweed (Ambrosieae)								
Sycamore (Platanus)								
OTHER PLANT:								
Algae								
Diatoms								
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)			1	7				
OTHER PARTICLES:								
ANIMAL:								
Epithelial (skin) cells	4	27	12	80	36	240	44	293
Hair								
Insect parts					1	7		
Mites								
FUNGI:								
Hyphal fragments	5	33						
NON-BIOLOGICAL:								
Glass fiber								
Starch								
Background debris (1-4+)†	1+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work.

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Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	10105387: 18, supply air, after, SA		10105352: 18, room P. Gawron, after, room		10105407: 18, SA, 2nd after, SA		10105354: 18, room, 2nd after, room	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	783303-1		783304-1		783305-1		783306-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN:								
Alder (Alnus)								
Ash (Fraxinus)								
Birch (Betula)								
Cedar/Juniper (Cupressaceae)								
Chenopods (Chenopodiaceae)								
Elm (Ulmus)								
Eucalyptus (Eucalyptus)								
Grass (Poaceae)								
Mulberry (Morus)								
Oak (Quercus)								
Other								
Pine (Pinaceae)								
Ragweed (Ambrosieae)					1	7		
Sycamore (Platanus)								
OTHER PLANT:								
Algae								
Diatoms								
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)					1	7		
OTHER PARTICLES:								
ANIMAL:								
Epithelial (skin) cells	12	80	48	320	20	133	9	60
Hair								
Insect parts								
Mites								
FUNGI:								
Hyphal fragments			2	13			1	7
NON-BIOLOGICAL:								
Glass fiber								
Starch								
Background debris (1-4+)†	2+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work.

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‡ A "Version" greater than 1 indicates amended data.

Client: Turner Building Science, LLC
 C/O: Mr. William Turner
 Re: S0588; 25 Sigourney

Date of Sampling: 10-18-2005
 Date of Receipt: 10-19-2005
 Date of Report: 10-21-2005

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	10105346: 18, SA, 3rd after, SA		10105334: 18, room3rd after, room		10105330: OA on 20, light rain	
Comments (see below)	None		None		None	
Lab ID-Version‡:	783307-1		783308-1		783309-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN:						
Alder (Alnus)						
Ash (Fraxinus)						
Birch (Betula)						
Cedar/Juniper (Cupressaceae)						
Chenopods (Chenopodiaceae)						
Elm (Ulmus)						
Eucalyptus (Eucalyptus)						
Grass (Poaceae)						
Mulberry (Morus)						
Oak (Quercus)						
Other						
Pine (Pinaceae)						
Ragweed (Ambrosieae)						
Sycamore (Platanus)						
OTHER PLANT:						
Algae						
Diatoms						
Fern, moss, etc. spores						
Other (wood, trichomes, etc.)					1	7
OTHER PARTICLES:						
ANIMAL:						
Epithelial (skin) cells	8	53	24	160		
Hair						
Insect parts						
Mites						
FUNGI:						
Hyphal fragments					2	13
NON-BIOLOGICAL:						
Glass fiber						
Starch						
Background debris (1-4+)†	1+		1+		1+	
Sample volume (liters)	150		150		150	

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work.

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‡ A "Version" greater than 1 indicates amended data.

CHAIN OF CUSTODY

866.888.6653 www.EMLab.com



ENVIRONMENTAL MICROBIOLOGY LABORATORY, INC.

* PLEASE SEE REVERSE SIDE FOR ADDITIONAL MicroLAB™ LOCATIONS *

1150 Bayhill Dr. #100, San Bruno, CA 94066 ~ AIHA EMLAP #102856

5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

WEATHER		Fog	Rain	Snow	Wind	Clear
LEVEL	None	X	X	X		
	Light				X	X
	Moderate					
	Heavy					



000180605

REQUESTED:	
Non-Culturable	
Spore Trap	Tape Swab Bulk
BioCassette™ Water, Bulk, Dusc, Soil, Contact Plc.	
Premium Req. add'l subcultures ~ 4 wk lead Fungi - Spore Trap Analysis Fungi & Biological Particles - Spore Trap Analysis Fungi - Direct Microscopic Exam Fungi - Standard Quant. Analysis (Incl. Asp. Speciation) Bacteria - Quantitative Analysis E.coli / Coliform Screen (24hr, 48hr, WH rush avail.) Sewage Assessment / Clearance Legionella - Quantitative Analysis (water & swabs only) Fungi w/ Penicillium & Asp. Speciation Fungi w/ Clad. & Asp. Speciation Fungi - Full Speciation (Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)) Asbestos Analysis - PLM (EPA method 600/R-93-116)	

CONTACT INFORMATION

Company/Branch: TURNER BUILDING Science Address: 26 PINEWOOD LANE, HARRISON, ME 04040
 Contact: Bill Turner Fax results? Y/N Fax: _____
 Phone: 207-583-4571 on 978-369-5888 Email results? N Email: BTurner.ehl@turner.com

PROJECT INFORMATION

Project: ZS SIGURNEY Project/Promo ID: S0588
 Project: _____ Sampling Date: _____
 Zip Code: 06106
 PO Number: 101805FFM S0588
 Send Invoice to: Heidi Nadeau 27 Locke Rd CONCORD, MA

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT 48-72 Hour) **Rushes received after 2pm on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.**
 ND - 24 Hour (+50%)
 SD - Same Business Day Rush (+75%)
 WH - Weekend/Holiday (+100%)

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
0 10105388	10th Flr. OCC SPACE NEAR 1010	ST	STD	150L	9:50AM B9 AHU RUN
0 10105347	10th Flr. OCC SPACE NEAR 1010	ST		150L	5:10AM
* 10105353	SA OUTSIDE RM 1010	ST		150L	5:26AM - AHU-ON
0 10105351	10th Flr OCC SPACE NEAR 1010	ST		150L	5:00 AM - B9 AHU B1
* 10105326	SA OUTSIDE RM 1010	ST		150L	5:39 AM - AHU-ON
- 10105382	10th Flr. OCC SPACE NEAR 1010	ST		150L	5:45 AM - AHU-ON
* 10105362	SA OUTSIDE RM 1010	ST		150L	5:59 AM - AHU-ON
- 10105363	10th Flr. OCC SPACE NEAR RM 1010	ST		150L	6:00 AM - AHU-ON
* 10105333	SA OUTSIDE RM 1010	ST		150L	6:10 AM - AHU-ON
- 10105273	10th Flr. OCC SPACE NEAR 1010	ST		150L	6:15 AM - AHU-ON
- 10105288	10th Flr. OCC SPACE NEAR 1010	ST		150L	6:26 AM - AHU-ON

SAMPLE TYPE CODES				REQUISITIONED BY	DATE & TIME
BC - BioCassette™	CP - Contact Plate	T - Tape	D - Dust	<u>F.J. McLaughlin</u>	<u>10-14-05</u> <u>6:30 AM</u>
A1S - Andersen 1-stage	ST - Spore Trap: Zefon, Allergenco, Burkard...	SW - Swab	W - Water		
A2S - Andersen 2-stage	Burkard...	B - Bulk	SO - Soil		
SAS - Surface Air Sampler	P - Pure Culture	O - Other:			

RECEIVED BY	DATE & TIME
<u>[Signature]</u>	<u>10/19/05</u> <u>9:30 am</u>

CHAIN OF CUSTODY

866.888.6653 www.EMLab.com

* PLEASE SEE REVERSE SIDE FOR ADDITIONAL MicroLAB™ LOCATIONS *

1150 Bayhill Dr. #100, San Bruno, CA 94066 ~ AIHA EMLAP #102856

5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266



ENVIRONMENTAL MICROBIOLOGY LABORATORY, INC.

WEATHER		Fog	Rain	Snow	Wind	Clear
LEVEL	None			X		
	Light	X	X		X	
	Moderate					
	Heavy					

REQUESTED SER		
Non-Culturable		Cult
Spore Trap	Tape Swab Bulk	BioCassette™ And Water, Bulk, Dust,



CONTACT INFORMATION

Company/Branch: TURNER BUILDING SCIENCE, LLC Address: 26 PINEWOOD LAKE HARRISON, ME 04040

Contact: _____ Fax results? Y / N Fax: _____

Phone: (207) 583-4571 Email results? Y / N Email: _____

PROJECT INFORMATION

Project: S0588 Project/Promo ID: _____

Project Zip Code: 06106 Date: 10/18/05

PO Number: _____

Send Invoice to: 27 LOCKE RD GARDNER, MA 03301

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT 48-72 Hour)

ND - 24 Hour (+50%)

SD - Same Business Day Rush (+75%)

WH - Weekend/Holiday (+100%)

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
S/N 10105403	OUTSIDE	ST	STD	150 L	4:50am 17 SW
S/N 10105419	17th SUPPLY	ST	STD	150 L	5:05am AHU OFF
S/N 10105426	17th SW	ST	STD	150 L	5:05am AHU OFF
S/N 10105395	17th SUPPLY	ST	STD	150 L	5:30am AHU START
S/N 10105438	17th SW	ST	STD	150 L	5:30am AHU START
S/N 10105367	17th SUPPLY	ST	STD	150 L	5:45am AHU ON
S/N 10105391	17th SW	ST	STD	150 L	5:45am AHU ON
S/N 10105384	17th SUPPLY	ST	STD	150 L	6:10am AHU ON
S/N 10105332	17th SW	ST	STD	150 L	6:10am AHU ON
S/N 10105500	OUTSIDE	ST	STD	150 L	6:25am 17 SW

Fungi - Spore Trap Analysis	X
Fungi & Biological Particles - Spore Trap Analysis	X
Fungi - Direct Microscopic Exam	X
Fungi - Standard Quant. Analysis (Incl. Asp. Speciation)	X
Bacteria - Quantitative Analysis	X
E.coli / Coliform Screen (24hr, 48hr, WH rush avail.)	X
Sewage Assessment / Clearance	X
Legionella - Quantitative Analysis (water & swabs only)	X
Fungi w/ Penicillium & Asp. Speciation	X
Fungi w/ Clad. & Asp. Speciation	X
Fungi - Full Speciation	X
Premium Req. add'l subcultures - 4 wk lead	
Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	
Asbestos Analysis - PLM (EPA method 600/R-93-116)	

SAMPLE TYPE CODES

BC - BioCassette™	CP - Contact Plate	T - Tape	D - Dust
A1S - Andersen 1-stage	ST - Spore Trap: Zefon, Allergenco, Burkard...	SW - Swab	W - Water
A2S - Andersen 2-stage		B - Bulk	SO - Soil
SAS - Surface Air Sampler	P - Pure Culture	O - Other:	

RELINQUISHED BY

[Signature]

DATE & TIME

10/18/05

RECEIVED BY

[Signature]

DATE & TIME

10/19/05
9:30am

CHAIN OF CUSTODY

866.888.6653 www.EMLab.com

* PLEASE SEE REVERSE SIDE FOR ADDITIONAL MicroLAB™ LOCATIONS *

1150 Bayhill Dr. #100, San Bruno, CA 94066 ~ AIHA EMLAP #102856

5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266



ENVIRONMENTAL MICROBIOLOGY LABORATORY, INC.

WEATHER		Fog	Rain	Snow	Wind	Clear
LEVEL	None					
	Light		X			
	Moderate					
	Heavy					

REQUESTED SERVICE

Non-Culturable	Cu
Spore Trap	Tape Swab Bulk
BioCassette™ A Water, Bulk, Dust, Soil, Compost	



000180605

CONTACT INFORMATION 04040

Company/Branch: **Turner Building Sci.** Address: **Harrison, Maine 26 Pinewood Ln**

Contact: **William Turner 207-583-4571** Y N Email: ***1: BTurner@hltturner.com**

Phone: **David Bearg 978-369-5680** Email results: Y N Email: **+2 sagefarm@comcast.net**

PROJECT INFORMATION

TURN AROUND TIME CODES - (TAT)

Project: S0588-01	Project/Promo ID: Skjornzu	STD - Standard (DEFAULT 48-72 Hour)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Zip Code: 06106	Sampling Date: 10-18-05	ND - 24 Hour (+50%)	
PO Number: Acct on file		SD - Same Business Day Rush (+75%)	
Send Invoice to: William Turner		WH - Weekend/Holiday (+100%)	

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
10105377	OA on 20	ST STD	150	150	1 st → 7:58 light rain
10105414	18 ACROSS FROM P. GARWON	ST STD	150	150	5 ¹¹ BEFORE
10105408	18 ACROSS FROM P. GARWON	ST STD	150	150	5 ²¹ BEFORE
10105387	18 SUPPLY AIR	ST STD	150	150	5 ³⁶ AFTER (SA)
10105352	18 ROOM	ST STD	150	150	5 ³⁶ AFTER (ROOM)
10105407	18 S.A.	ST STD	150	150	5 ⁴⁹ 2 nd AFTER, SA
10105354	18 ROOM	ST STD	150	150	5 ⁴⁹ 2 nd AFTER, ROOM
10105346	18 S.A.	ST STD	150	150	6 ⁰¹ 3 rd AFTER, SA
10105334	18 ROOM	ST STD	150	150	6 ⁰¹ 3 rd AFTER, ROOM
10105330	OA on 20	ST STD	150	150	6 ¹⁸ light rain

Fungi - Spore Trap Analysis	X
Fungi & Biological Particles - Spore Trap Analysis	X
Fungi - Direct Microscopic Exam	
Fungi - Standard Quant. Analysis (Incl. Asp. Speciation)	
Bacteria - Quantitative Analysis	
E.coli / Coliform Screen (24hr, 48hr, WH rush avail.)	
Sewage Assessment / Clearance	
Legionella - Quantitative Analysis (water & swabs only)	
Fungi w/ Penicillium & Asp. Speciation	
Fungi w/ Clad. & Asp. Speciation	
Fungi - Full Speciation	
Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	
Asbestos Analysis - PLM (EPA method 600/R-93-116)	

5387 X
X
X
X
X
X
X
X

LITERS →

SAMPLE TYPE CODES

RELINQUISHED BY

DATE & TIME

RECEIVED BY

DATE & TIME

BC - BioCassette™	CP - Contact Plate	T - Tape	D - Dust
A1S - Andersen 1-stage	ST - Spore Trap: Zefon, Allergenco, Burkard...	SW - Swab	W - Water
A2S - Andersen 2-stage		B - Bulk	SO - Soil
SAS - Surface Air Sampler	P - Pure Culture	O - Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
		WJMT	10/18/05
			ABT