

**Subject: Fw: Valley View ES / Watchung BOE**

Results from Valley View School are considered excellent. No unusual fungal populations were seen in any of the blocks of rooms where we collected air samples. No further action is indicated.

Feel free to call me if you have any questions.

Best,  
Mike McGuinness, CIH, CET, CIAQP, ABIH-IEQ



AccuScience™  
Analysis Report

QLab, 256 Bridge St, Metuchen, NJ 08840  
info@qlabusa.com www.QLABusa.com  
AIHA EMPAT Lab ID: 178794

**Analysis:** AccuScience Premium Level 3 Fungal Spore Count™  
**Client:** RK Environmental  
Phillipsburg, NJ  
**Contact:** McGuinness, Michael  
**Project ID:** Valley View ES / Watchung BOE  
**Date Sampled:** 11/17/2018

**QLab Job No.:** ME181119-14  
**Date Received:** 11/19/2018  
**Date Analyzed:** 11/24/2018  
**Date Reported:** 11/27/2018

**Reviewed by:** WT

**Approved by:** Wei-Chih Tang, Ph.D., Lab Director

Lab Sample No.	ME181119-14(1)			ME181119-14(2)			ME181119-14(3)		
Sample ID	2751675			2751378			2751416		
Sample Location	A1 209, 211, 207, 205, 201			A2 202, 204, 206, 224, 234			A3 238, 221, 223, Library		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	13 cts/m³			120 cts/m³			< DL cts/m³		
Mycologix Profile Group 1, 2 & 3	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%
<b>1. Common Dominant Spores</b>	DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³		
Ascospores, non-specified (O)									
Basidiospores (O,I)									
Cladosporium, Group HM (O)									
Aspergillus/Penicillium-like, DOT (O)									
#Cluster-Chain-Loose Spore Profile™									
Cladosporium, Group C (O,I)									
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O)				8	110	89			
## Cluster-Chain-Loose Spore Profile™				0% - 0% - 100%					
Cluster(s)									
<b>2. Indoor Hydrophilic Fungi#</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Stachybotrys (I)									
Chaetomium (I)									
Ulocladium (I)									
Memnoniella (I)									
Trichoderma (I)									
Scopulariopsis (I)									
<b>3. Others</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Hyphal fragment (O,I)									
Alternaria (O,I)									
Cercospora (O)									
Curvularia (O,I)									
Drechslera/Bipolaris-like (O)									
Epicoccum (O)									
Fusarium (O,I)									
Myxomycetes/Smuts/Periconia (O,I)	1	13	100	1	13	11			
Nigrospora (O)									
Pithomyces (O)									
Rusts (O)									
Unknown (O,I)									
<b>Skin Cells Rating</b>	Medium			Medium			Low		
<b>Debris Rating</b>	2 (6 - 25%)			2 (6 - 25%)			2 (6 - 25%)		
<b>Note</b>							No fungal structure observed		

\*: cts/smp: counts per sample. \*\*: All concentrations are rounded to two digits of significant figures. Total concentrations/percentages may not be equal to the sum of individual concentrations/percentages due to rounding. #: Water-loving indoor fungi (min Aw ≥0.89). Absence of hydrophilic fungi does not exclude the possibility of a water damage history. DL: detection limit (analytical sensitivity). LQL: Lower quantitation limit = 20 x DL. Upper quantitation limit depends on sample conditions. ## Asp/Pen-like spores: Loose: 1 to 2 spores; Chain: 3 to 9 spores; Cluster: 10 spores or more. O: Mostly outdoor origin with rare exceptions; I: Mostly indoor origin with rare exceptions. Distinct Outdoor Type (DOT): Distinct outdoor Asp/Pen spores that can be easily differentiated from indoor Asp/Pen spores. DOT is specific to the batch of samples collected at the same time and cannot be used for other batches.



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Lab Sample No.	ME181119-14(4)			ME181119-14(5)			ME181119-14(6)		
Sample ID	2751373			2751368			2751388		
Sample Location	A4 Faculty, 107, 107B, 144, 148			A5 147, 149, 135			J1 - 126A & B, 122, 129, 131		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	13 cts/m³			< DL cts/m³			< DL cts/m³		
Mycologix Profile Group 1, 2 & 3	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%
<b>1. Common Dominant Spores</b>	DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³		
Ascospores, non-specified (O)									
Basidiospores (O,I)									
Cladosporium, Group HM (O)									
Aspergillus/Penicillium-like, DOT (O)									
#Cluster-Chain-Loose Spore Profile™									
Cladosporium, Group C (O,I)									
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O)									
## Cluster-Chain-Loose Spore Profile™									
Cluster(s)									
<b>2. Indoor Hydrophilic Fungi#</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Stachybotrys (I)									
Chaetomium (I)									
Ulocladium (I)									
Memnoniella (I)									
Trichoderma (I)									
Scopulariopsis (I)									
<b>3. Others</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Hyphal fragment (O,I)									
Alternaria (O,I)									
Cercospora (O)									
Curvularia (O,I)									
Drechslera/Bipolaris-like (O)									
Epicoccum (O)									
Fusarium (O,I)									
Myxomycetes/Smuts/Periconia (O,I)	1	13	100						
Nigrospora (O)									
Pithomyces (O)									
Rusts (O)									
Unknown (O,I)									
<b>Skin Cells Rating</b>	Medium			Trace			High		
<b>Debris Rating</b>	2 (6 - 25%)			2 (6 - 25%)			2 (6 - 25%)		
<b>Note</b>				No fungal structure observed			No fungal structure observed		

\*: cts/smp: counts per sample. \*\*: All concentrations are rounded to two digits of significant figures. Total concentrations/percentages may not be equal to the sum of individual concentrations/percentages due to rounding. #: Water-loving indoor fungi (min Aw ≥0.89). Absence of hydrophilic fungi does not exclude the possibility of a water damage history. DL: detection limit (analytical sensitivity). LQL: Lower quantitation limit = 20 x DL. Upper quantitation limit depends on sample conditions. ## Asp/Pen-like spores: Loose: 1 to 2 spores; Chain: 3 to 9 spores; Cluster: 10 spores or more. O: Mostly outdoor origin with rare exceptions; I: Mostly indoor origin with rare exceptions. Distinct Outdoor Type (DOT): Distinct outdoor Asp/Pen spores that can be easily differentiated from indoor Asp/Pen spores. DOT is specific to the batch of samples collected at the same time and cannot be used for other batches.



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Lab Sample No.	ME181119-14(7)			ME181119-14(8)			ME181119-14(9)		
Sample ID	2751389			2751383			2751691		
Sample Location	J2 - 112, 108, 101F, 101E, 101			J3 - 101C, 101D, 102, 104, 106			J4 - 136, 134, 132, Gym		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	180 cts/m³			13 cts/m³			240 cts/m³		
Mycologix Profile Group 1, 2 & 3	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%
<b>1. Common Dominant Spores</b>	DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³		
Ascospores, non-specified (O)							4	53	22
Basidiospores (O,I)	4	53	30						
Cladosporium, Group HM (O)									
Aspergillus/Penicillium-like, DOT (O)									
#Cluster-Chain-Loose Spore Profile™									
Cladosporium, Group C (O,I)	8	110	63						
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O)							11	150	62
## Cluster-Chain-Loose Spore Profile™									0% - 0% - 100%
Cluster(s)									
<b>2. Indoor Hydrophilic Fungi#</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Stachybotrys (I)									
Chaetomium (I)									
Ulocladium (I)									
Memnoniella (I)									
Trichoderma (I)									
Scopulariopsis (I)									
<b>3. Others</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Hyphal fragment (O,I)	1	13	7						
Alternaria (O,I)									
Cercospora (O)									
Curvularia (O,I)									
Drechslera/Bipolaris-like (O)									
Epicoccum (O)									
Fusarium (O,I)									
Myxomycetes/Smuts/Periconia (O,I)				1	13	100	3	40	16
Nigrospora (O)									
Pithomyces (O)									
Rusts (O)									
Unknown (O,I)									
<b>Skin Cells Rating</b>	Low			Medium			Medium		
<b>Debris Rating</b>	2 (6 - 25%)			2 (6 - 25%)			2 (6 - 25%)		
<b>Note</b>									

\*: cts/smp: counts per sample. \*\*: All concentrations are rounded to two digits of significant figures. Total concentrations/percentages may not be equal to the sum of individual concentrations/percentages due to rounding. #: Water-loving indoor fungi (min Aw ≥0.89). Absence of hydrophilic fungi does not exclude the possibility of a water damage history. DL: detection limit (analytical sensitivity). LQL: Lower quantitation limit = 20 x DL. Upper quantitation limit depends on sample conditions. ## Asp/Pen-like spores: Loose: 1 to 2 spores; Chain: 3 to 9 spores; Cluster: 10 spores or more. O: Mostly outdoor origin with rare exceptions; I: Mostly indoor origin with rare exceptions. Distinct Outdoor Type (DOT): Distinct outdoor Asp/Pen spores that can be easily differentiated from indoor Asp/Pen spores. DOT is specific to the batch of samples collected at the same time and cannot be used for other batches.



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Lab Sample No.	ME181119-14(10)			ME181119-14(11)			
Sample ID	2751411			2751384			
Sample Location	OAR 1 - Outside 108			OAR 2 - Outside 147			
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			
Air Volume	75 L			75 L			
Total Concentration (counts/m³)**	200 cts/m³			240 cts/m³			
Mycologix Profile Group 1, 2 & 3	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%	
<b>1. Common Dominant Spores</b>	DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³			
Ascospores, non-specified (O)							
Basidiospores (O,I)	15	200	100	11	150	62	
Cladosporium, Group HM (O)							
Aspergillus/Penicillium-like, DOT (O)							
#Cluster-Chain-Loose Spore Profile™							
Cladosporium, Group C (O,I)				7	93	38	
Cladosporium, Group S (I)							
Aspergillus/Penicillium-like (I,O)							
## Cluster-Chain-Loose Spore Profile™							
Cluster(s)							
<b>2. Indoor Hydrophilic Fungi#</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			
Stachybotrys (I)							
Chaetomium (I)							
Ulocladium (I)							
Memnoniella (I)							
Trichoderma (I)							
Scopulariopsis (I)							
<b>3. Others</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			
Hyphal fragment (O,I)							
Alternaria (O,I)							
Cercospora (O)							
Curvularia (O,I)							
Drechslera/Bipolaris-like (O)							
Epicoccum (O)							
Fusarium (O,I)							
Myxomycetes/Smuts/Periconia (O,I)							
Nigrospora (O)							
Pithomyces (O)							
Rusts (O)							
Unknown (O,I)							
<b>Skin Cells Rating</b>	Trace			Low			
<b>Debris Rating</b>	3 (26 - 75%)			3 (26 - 75%)			
<b>Note</b>							

\*: cts/smp: counts per sample. \*\*: All concentrations are rounded to two digits of significant figures. Total concentrations/percentages may not be equal to the sum of individual concentrations/percentages due to rounding. #: Water-loving indoor fungi (min Aw ≥0.89). Absence of hydrophilic fungi does not exclude the possibility of a water damage history. DL: detection limit (analytical sensitivity). LQL: Lower quantitation limit = 20 x DL. Upper quantitation limit depends on sample conditions. ## Asp/Pen-like spores: Loose: 1 to 2 spores; Chain: 3 to 9 spores; Cluster: 10 spores or more. O: Mostly outdoor origin with rare exceptions; I: Mostly indoor origin with rare exceptions. Distinct Outdoor Type (DOT): Distinct outdoor Asp/Pen spores that can be easily differentiated from indoor Asp/Pen spores. DOT is specific to the batch of samples collected at the same time and cannot be used for other batches.



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Please see original data for complete interpretation.

