

3303 PARKWAY CENTER COURT Orlando, FL 32808

Tel/Fax: (407) 599-5887 / (407) 599-9063 http://www.EMSL.com / orlandolab@emsl.com

Attn: Marylee Morinelli

Coastal Environmental Compliance, LLC

PO Box 167

Hammonton, NJ 08037-0167

Project: Washington School 1st Clear

EMSL Order: 341811877 Customer ID: COAS80

Customer PO: Project ID:

Phone: (609) 685-9984

Fax: (609) 625-2644

Collected: 08/31/2018

Received: 08/31/2018

Analyzed: 09/01/2018

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location	341811877-0001 26496751 75 Ambient				341811877-0002 26496722 75 103			341811877-0003 26496727 75 104		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
Alternaria (Ulocladium)	1	40	0.1	-	-	· -	- '	-	-	
Ascospores	188	7930	21.2	-	-	-	-	-	-	
Aspergillus/Penicillium	13	550	1.5	5	200	71.4	-	-	-	
Basidiospores	670	28300	75.7	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	-	-	-	
Cladosporium	5	200	0.5	2	80	28.6	-	-	-	
Curvularia	-	-	-	-	-	-	1	40	100	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	-	-	-	
Ganoderma	7	300	0.8	-	-	-	-	-	-	
Myxomycetes++	2	80	0.2	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	886	37400	100	7	280	100	1	40	100	
Hyphal Fragment	-	-	-	-	-	-	1	40	-	
Insect Fragment	1	40	-	-	-	-	-	-	-	
Pollen	1	40	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	2	-	-	1	-	-	2	-	

Bipolaris++ = Bipolaris/Drechslera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Yessica Martinez Seeman, Microbiology Technical Manager, Central Florida

or other approved signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. """

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Lab Sample Number: Client Sample ID: Volume (L): Sample Location	341811877-0004 26496726 75 105			341811877-0005 26496717 75 106			341811877-0006 26496709 75 107		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	· -	- '	-	· -	- '	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	4	200	58.8	8	300	48.4	33	1400	73.7
Basidiospores	3	100	29.4	5	200	32.3	9	400	21.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	11.8	2	80	12.9	3	100	5.3
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	1	40	6.5	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	8	340	100	16	620	100	45	1900	100
Hyphal Fragment	-	-	-	1	40	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	3	-	-	3	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	2	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

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Lab Sample Number: Client Sample ID: Volume (L): Sample Location	341811877-0007 26496714 75 108				341811877-0008 26496732 75 Gym			341811877-0009 26496716 75 121		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	<u> </u>	-	-	· -	-	-	-	
Ascospores	-	-	-	1	40	2.3	2	80	2.4	
Aspergillus/Penicillium	4	200	40	11	450	25.7	54	2200	65.1	
Basidiospores	7	300	60	30	1200	68.6	26	1100	32.5	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	1*	10*	0.6	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	1	40	2.3	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	1*	10*	0.6	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	11	500	100	45	1750	100	82	3380	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	_	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	2	-	-	3	-	-	2	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	1	-	

Bipolaris++ = Bipolaris/Drechslera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

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Lab Sample Number: Client Sample ID: Volume (L): Sample Location	341811877-0010 26496736 75 122			341811877-0011 26496787 75 123			341811877-0012 26496747 75 124			
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium	8	300	40	3	100	11.9	4	200	16.7	
Basidiospores	10	410	54.7	17	700	83.3	25	1000	83.3	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	-	-	-	
Cladosporium	1	40	5.3	1	40	4.8	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	19	750	100	21	840	100	29	1200	100	
Hyphal Fragment	-	-	-	-	-	-	1*	10*	-	
Insect Fragment	-	-	-	1*	10*	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	3	-	-	2	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	2	-	

Bipolaris++ = Bipolaris/Drechslera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

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Lab Sample Number: Client Sample ID: Volume (L): Sample Location	341811877-0013 26496737 75 125			341811877-0014 26496773 75 126			341811877-0015 26496742 75 203			
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	- '	-	· -	- '	-	-	
Ascospores	1	40	2.2	8	300	6.9	-	-	-	
Aspergillus/Penicillium	26	1100	60.8	3	100	2.3	3	100	24.4	
Basidiospores	15	620	34.3	94	3900	89.9	8	300	73.2	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	-	-	-	
Cladosporium	1	40	2.2	1	40	0.9	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	1*	10*	0.6	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	1*	10*	2.4	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	44	1810	100	106	4340	100	12	410	100	
Hyphal Fragment	-	-	-	-	-	-	1	40	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	_	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	2	-	-	3	-	-	2	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	2	-	-	1	-	-	1	-	

Bipolaris++ = Bipolaris/Drechslera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

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Lab Sample Number: Client Sample ID: Volume (L): Sample Location		341811877-0010 26496720 75 209	6		341811877-0017 26496721 75 211	96721 75					
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	-	-	_		
Alternaria (Ulocladium)	-	-	-	-	-	-	-		-		
Ascospores	2	80	5.8	-	-	-	-				
Aspergillus/Penicillium	12	490	35.3	3	100	33.3	-				
Basidiospores	19	780	56.1	4	200	66.7	-				
Bipolaris++	-	-	-	-	-	-	-				
Chaetomium	-	-	-	-	-	-	-				
Cladosporium	-	-	-	-	-	-	-				
Curvularia	-	-	-	-	-	-	-				
Epicoccum	-	-	-	-	-	-	-				
Fusarium	-	-	-	-	-	-	-				
Ganoderma	1	40	2.9	-	-	-	-				
Myxomycetes++	-	-	-	-	-	-	-				
Pithomyces++	-	-	-	-	-	-	-				
Rust	-	-	-	-	-	-	-				
Scopulariopsis/Microascus	-	-	-	-	-	-	-				
Stachybotrys/Memnoniella	-	-	-	-	-	-	-				
Unidentifiable Spores	-	-	-	-	-	-	-				
Zygomycetes	-	-	-	-	-	-	-				
Total Fungi	34	1390	100	7	300	100	-				
Hyphal Fragment	1	40	-	-	-	-	-				
Insect Fragment	-	-	-	-	-	-	-				
Pollen	-	-	-	-	-	-	-	-	_		
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	-	-		
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-				
Skin Fragments (1-4)	-	2	-	-	2	-	-				
Fibrous Particulate (1-4)	-	1	-	-	1	-	-				
Background (1-5)	-	2	-	-	1	-	-				

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