



EMSL Analytical, Inc.

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EMSL Order: 372113796
Customer ID: TTIE54
Customer PO: 033408
Project ID:

Attention: Tim Popp
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057

Phone: (856) 840-8800
Fax: (856) 840-8815
Collected Date: 08/24/2021
Received Date: 08/24/2021 12:15 PM
Analyzed Date: 08/24/2021

Project: 21-1374 AllRisk - Summit

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:	372113796-0004			372113796-0005			372113796-0006		
	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
A-4 75 Woodshop				A-5 75 Hallway			A-6 75 Outside		
Spore Types									
Alternaria (Ulocladium)	-	-	-	-	-	-	1	40	0.1
Bipolaris-like	-	-	-	-	-	-	-	-	-
Chaetomium/Botryotrichum-like	-	-	-	-	-	-	-	-	-
Myxomycetes-like	-	-	-	7	300	0.4	1	40	0.1
Pithomyces-like	-	-	-	-	-	-	2	80	0.1
Ascospores	5	200	1.1	90	3700	4.9	18	740	1.2
Aspergillus/Penicillium	375	15400	87.1	8	300	0.4	24	990	1.6
Basidiospores	35	1400	7.9	1680	68900	91.8	1420	58300	95.1
Cladosporium	13	530	3	29	1200	1.6	17	700	1.1
Curvularia	-	-	-	-	-	-	1	40	0.1
Epicoccum	1*	10*	0.1	-	-	-	1	40	0.1
Ganoderma	1*	10*	0.1	7	300	0.4	4	200	0.3
Rust	2*	30*	0.2	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	1*	10*	0.1	5	200	0.3	1	40	0.1
Cercospora-like	-	-	-	1	40	0.1	-	-	-
Nigrospora	-	-	-	-	-	-	1	40	0.1
Oidium-like	-	-	-	-	-	-	1	40	0.1
Polythrincium	-	-	-	1	40	0.1	-	-	-
Zygothiala/Schizothyrium	-	-	-	2	80	0.1	-	-	-
Insect Fragment	3	100	0.6	-	-	-	-	-	-
Total Fungi	436	17690	100	1830	75060	100	1492	61290	100
Hyphal Fragments	10	410	-	1	40	-	1	40	-
Insect Fragments	-	-	-	-	-	-	-	-	-
Pollen	1	40	-	-	-	-	1	40	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Vincent Iuzzolino, M.S., Laboratory Manager
or other Approved Signatory

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. 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. *** Denotes particles found at 300X. ** Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Accredited #100194

Report Amended: 08/25/2021 11:07 AM Replaces initial report from: 08/24/2021 04:19 PM Reason Code Data Entry-Results Changed

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



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

Lab Sample Number:	372113796-0001			372113796-0002			372113796-0003		
Client Sample ID:	A-1			A-2			A-3		
Volume (L):	75			75			75		
Sample Location:	Auditorium Main Floor			Auditorium Stage			Auditorium Balcony		
Spore Types	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Bipolaris-like	-	-	-	-	-	-	-	-	-
Chaetomium/Botryotrichum-like	-	-	-	-	-	-	-	-	-
Myxomycetes-like	-	-	-	-	-	-	-	-	-
Pithomyces-like	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	2	80	66.7	1	40	7.5	4	200	62.5
Basidiospores	1	40	33.3	11	450	84.9	2	80	25
Cladosporium	-	-	-	1	40	7.5	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora-like	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium-like	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Zygothiala/Schizothyrium	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	1	40	12.5
Total Fungi	3	120	100	13	530	100	7	320	100
Hyphal Fragments	-	-	-	-	-	-	1	40	-
Insect Fragments	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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