



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 /

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041806831
Customer ID: AHER50
Customer PO:
Project ID:

Attention: Michael Sorgenti Ahera Consultants, Inc. PO Box 385 Oceanville, NJ 08231-0385	Phone: (609) 652-1833 Fax: (609) 652-1140 Received Date: 03/05/2018 14:45 PM Analysis Date: 03/05/2018 Collected Date: 03/05/2018
Project: 18-3032 / Indiana Avenue School #18, Woodbridge Township SD / PO BOx 428 School Street, Woodrige, NJ 07095	

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm ²)	(S/cc)
IAS-01 041806831-0001	Hallway Adj Room #2	1350.00	0.0660	0	None Detected	0	0	0.0043	<15.00	<0.0043
IAS-02 041806831-0002	Hallway Adj Room #37	1350.00	0.0660	0	Chrysotile	1	0	0.0043	15.00	0.0043
IAS-03 041806831-0003	Room #1	1350.00	0.0660	0	None Detected	0	0	0.0043	<15.00	<0.0043
IAS-04 041806831-0004	Principal Office	1350.00	0.0660	0	None Detected	0	0	0.0043	<15.00	<0.0043
IAS-05 041806831-0005	Main Office	1350.00	0.0660	0	None Detected	0	0	0.0043	<15.00	<0.0043
IAS-06 041806831-0006	Lobby / Hall	1350.00	0.0660	0	None Detected	0	0	0.0043	<15.00	<0.0043
IAS-07 041806831-0007	Outside/ Main Entrance	1350.00	0.0660	0	None Detected	0	0	0.0043	<15.00	<0.0043

Analyst(s)

Matthew Dare (7)

Benjamin Ellis, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. 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. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 03/05/2018 18:23 PM

Chain of Custody

Client: AHERA Consultants, Inc.
PO Box 385
Oceanville, NJ 08231-0385
 Phone: (609) 652-1833
 E-Mail: ahera@comcast.net
 Fax: (609) 652-1140

Project No: 18-3032
 Project Name: Indiana Avenue School #18
Woodbridge Township SD
PO Box 428 School Street
Woodridge, NJ 07095
 Contact: Michael Jorgensen

TYPE:

ASBESTOS		LEAD		OTHER	
<input checked="" type="checkbox"/> AIR	<input type="checkbox"/> SOIL	<input type="checkbox"/> AIR	<input type="checkbox"/> SOIL		
<input type="checkbox"/> BULK	<input type="checkbox"/> DUST	<input type="checkbox"/> BULK	<input type="checkbox"/> PAINT		
<input type="checkbox"/> WATER	<input type="checkbox"/> OTHER	<input type="checkbox"/> WATER	<input type="checkbox"/> OTHER		

ANALYSIS METHOD:

<input type="checkbox"/> PCM: NIOSH 7400	<input type="checkbox"/> PLM: BULK ASBESTOS EPA600	<input checked="" type="checkbox"/> TEM: AHERA
<input type="checkbox"/> PCM: OSHA	<input type="checkbox"/> PLM: POINT COUNTING	<input type="checkbox"/> TEM: NIOSH 7402
<input type="checkbox"/> PCM: OTHER	<input type="checkbox"/> PLM: OTHER	<input type="checkbox"/> TEM: EPA LEVEL II
	<input type="checkbox"/> PLM: EPA NOB (gravimetric reduction)	<input type="checkbox"/> TEM: ASBESTOS IN WATER
<input type="checkbox"/> AAS LEAD IN DRINKING WATER	<input type="checkbox"/> TEM: BULK ANALYSIS	RECEIVED EMSL CINNAMINSON, N.J. 2018 MAR - 5 P 2:44
<input type="checkbox"/> AAS LEAD IN PAINT	<input type="checkbox"/> TEM: MICROVAC DUST	
<input type="checkbox"/> AAS OTHER LEAD	<input type="checkbox"/> TEM: EPA NOB (gravimetric reduction)	
<input type="checkbox"/> AAS OTHER METALS	<input type="checkbox"/> TOTAL DUST: EPA/OSHA	
<input type="checkbox"/> AAS NIOSH 7082 (LEAD IN AIR)		

TURN AROUND TIME:

5 DAY
 72 HOUR
 48 HOUR
 24 HOUR
 6 HOUR
 6 HR

SAMPLE NUMBERS:

CLIENT SAMPLE NUMBERS: IAS-01 TO IAS-07 TOTAL: (7)

RELINQUISHED: <u>[Signature]</u>	DATE: <u>03/05/2018</u>	TIME: _____
RECEIVED: <u>[Signature]</u>	DATE: <u>3/5/18</u>	TIME: <u>2:45 PM</u>
SAMPLE LOG-IN: _____	DATE: _____	TIME: _____
ANALYZED: _____	DATE: _____	TIME: _____
REVIEWED: _____	DATE: _____	TIME: _____
ARCHIVED: _____	DATE: _____	TIME: _____
RELEASED: _____	DATE: _____	TIME: _____



7 R1P

PO Box 385
 Oceanville, NJ 08231-0385
 Phone: 609.652.1833
 Fax: 609.652.1140
 E-mail: ahera@comcast.net

AIR MONITORING DATA SHEET

041806831

CLIENT: AHERA Consultants, Inc.

DATE: 03/05/2018

ADDRESS: PO Box 385
Oceanville, NJ 08231-0385

JOB #: 18-3032

ANALYSIS: TEM

METHOD: AHERA

SITE ADDRESS: Indiana Avenue School #18
256 Indiana Avenue
Iselin, NJ 08830

LOT #: _____

BLDG: _____ FLOOR: _____

PRE-CALIBRATED DATE: 3/5/18
INITIALS: MS

POST-CALIBRATED DATE: 3/5/18
INITIALS: MS

SAMPLE #	SAMPLE ID	FLOW RATE			START/STOP	TIME ELAPSE (MIN)	SAMPLE VOLUME (1)	RESULTS Fibers/cc
		PRE	POST	AVG (1/MIN)				
IAS-01	Hallway Adj. Room #2	10	10	10	10 ³⁰ /12 ⁴⁵	135	1350	
IAS-02	Hallway Adj. Room #37	10	10	10	10 ³⁷ /12 ⁵²	135	1350	
IAS-03	Room # 1	10	10	10	10 ⁴¹ /12 ⁵⁰	135	1350	
IAS-04	Principal Office	10	10	10	10 ⁴³ /12 ⁵⁷	135	1350	
IAS-05	Main Office	10	10	10	10 ⁴³ /12 ⁵⁷	135	1350	
IAS-06	Lobby / Hall	10	10	10	10 ⁴⁵ /13 ⁰⁰	135	1350	
IAS-07	Outside / Main Entrance	10	10	10	10 ⁴⁵ /13 ⁰⁰	135	1350	

RECEIVED
EMBL
DUNN-MINSON, N.J.
1 20 0 MAR -5 P 2:44

TYPE SAMPLING: PCM TEM

MICROSCOPIST: _____

FIELD HYGIENIST: M. Sargent

DATE ANALYZED: _____

DATE TAKEN: 3/5/2018

RELINQUISHED BY: [Signature] DATE/TIME: 3/5/2018

RECEIVED BY: _____ DATE/TIME: _____



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Phone: 609.652.1833
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E-mail: ahera@comcast.net



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Oceanville, NJ 08231-0385

Phone: (609) 652-1833
Fax: (609) 652-1140
Collected: 03/05/2018
Received: 03/05/2018
Analyzed: 03/06/2018

Project: WTDS - Indiana Ave. School #18 IAQ / 18-3032

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	371804021-0001 IAS-01 150 Hallway Adj. Room #2			371804021-0002 IAS-02 150 Hallway Adj. Room #37			371804021-0003 IAS-03 150 Room #1			
	Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-	-
Ascospores	1	20	25	-	-	-	1	20	1	
Aspergillus/Penicillium	2	40	50	22	490	79.4	57	1300	65.7	
Basidiospores	1	20	25	2	40	6.5	7	200	10.1	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	2	40	6.5	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	1*	7*	1.1	2	40	2	
Pithomyces	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis	-	-	-	-	-	-	-	-	-	
Stachybotrys	-	-	-	-	-	-	-	-	-	
Torula	-	-	-	-	-	-	-	-	-	
Ulocladium	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Arthrospores	-	-	-	-	-	-	19	420	21.2	
Botrytis	-	-	-	-	-	-	-	-	-	
Microascus	-	-	-	2	40	6.5	-	-	-	
Total Fungi	4	80	100	29	617	100	86	1980	100	
Hypal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	22	-	-	22	-	-	22	-	
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-	
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	2	-	-	1	-	

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

Vincent Iuzzolino, M.S., Laboratory Manager
or other approved signatory

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

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. EMSL maintains liability limited to cost of analysis. 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. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

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

Initial report from: 03/06/2018 11:28:29

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



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Attn: Ahera Consultants Ahera Consultants, Inc. PO Box 385 Oceanville, NJ 08231-0385	Phone: (609) 652-1833 Fax: (609) 652-1140 Collected: 03/05/2018 Received: 03/05/2018 Analyzed: 03/06/2018
Project: WTDS - Indiana Ave. School #18 IAQ / 18-3032	

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	371804021-0004 IAS-04 150 Principal Office			371804021-0005 IAS-05 150 Main Office			371804021-0006 IAS-06 150 Lobby / Hall			
	Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	2	40	28.6
Aspergillus/Penicillium	12	270	75	26	570	64.8	1	20	14.3	
Basidiospores	1	20	5.6	12	270	30.7	2	40	28.6	
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	1	20	14.3
Curvularia	-	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	3	70	19.4	2	40	4.5	1	20	14.3	
Pithomyces	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Arthrospores	-	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-	-
Microascus	-	-	-	-	-	-	-	-	-	-
Total Fungi	16	360	100	40	880	100	7	140	100	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	22	-	-	22	-	-	22	-	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	1	-	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	-
Background (1-5)	-	1	-	-	1	-	-	1	-	-

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

Vincent Iuzzolino, M.S., Laboratory Manager
or other approved signatory

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

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. EMSL maintains liability limited to cost of analysis. 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. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

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Project: WTDS - Indiana Ave. School #18 IAQ / 18-3032

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

Lab Sample Number:	371804021-0007		
Client Sample ID:	IAS-07		
Volume (L):	150		
Sample Location	Outside / Main Entrance		
Spore Types	Raw Count	Count/m³	% of Total
Alternaria	-	-	-
Ascospores	1	20	4.9
Aspergillus/Penicillium	5	100	24.4
Basidiospores	3	70	17.1
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	8	200	48.8
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces	-	-	-
Rust	-	-	-
Scopulariopsis	-	-	-
Stachybotrys	-	-	-
Torula	-	-	-
Ulocladium	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Arthrospores	-	-	-
Botrytis	1	20	4.9
Microascus	-	-	-
Total Fungi	18	410	100
Hypthal Fragment	1	20	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	22	-
Analyt. Sensitivity 300x	-	7*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	1	-

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

Vincent Iuzzolino, M.S., Laboratory Manager
or other approved signatory

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	Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-	-
Ascospores	1	20	25	-	-	-	1	20	1	
Aspergillus/Penicillium	2	40	50	22	490	79.4	57	1300	65.7	
Basidiospores	1	20	25	2	40	6.5	7	200	10.1	
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	2	40	6.5	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1*	7*	1.1	2	40	2	
Pithomyces	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Arthrospores	-	-	-	-	-	-	19	420	21.2	
Botrytis	-	-	-	-	-	-	-	-	-	-
Microascus	-	-	-	2	40	6.5	-	-	-	-
Total Fungi	4	80	100	29	617	100	86	1980	100	
Hypal Fragment	-	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	22	-	-	22	-	-	22	-	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	-
Background (1-5)	-	1	-	-	2	-	-	1	-	-

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

Vincent Iuzzolino, M.S., Laboratory Manager
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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC--EMLAP Lab 100194

Initial report from: 03/06/2018 11:28:29

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



EMSL Analytical, Inc.

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<http://www.EMSL.com> / cinmicrolab@emsl.com

EMSL Order: 371804021
Customer ID: AHER50
Customer PO:
Project ID:

Attn: Ahera Consultants
Ahera Consultants, Inc.
PO Box 385
Oceanville, NJ 08231-0385

Phone: (609) 652-1833
Fax: (609) 652-1140
Collected: 03/05/2018
Received: 03/05/2018
Analyzed: 03/06/2018

Project: WTDS - Indiana Ave. School #18 IAQ / 18-3032

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

Lab Sample Number:	371804021-0004			371804021-0005			371804021-0006		
Client Sample ID:	IAS-04			IAS-05			IAS-06		
Volume (L):	150			150			150		
Sample Location	Principal Office			Main Office			Lobby / Hall		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	2	40	28.6
Aspergillus/Penicillium	12	270	75	26	570	64.8	1	20	14.3
Basidiospores	1	20	5.6	12	270	30.7	2	40	28.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	1	20	14.3
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	3	70	19.4	2	40	4.5	1	20	14.3
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Arthrospores	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Microascus	-	-	-	-	-	-	-	-	-
Total Fungi	16	360	100	40	880	100	7	140	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	22	-	-	22	-	-	22	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Vincent Iuzzolino, M.S., Laboratory Manager
or other approved signatory

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

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. EMSL maintains liability limited to cost of analysis. 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. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

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Project: WTDS - Indiana Ave. School #18 IAQ / 18-3032

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

Lab Sample Number:	371804021-0007		
Client Sample ID:	IAS-07		
Volume (L):	150		
Sample Location	Outside / Main Entrance		
Spore Types	Raw Count	Count/m³	% of Total
Alternaria	-	-	-
Ascospores	1	20	4.9
Aspergillus/Penicillium	5	100	24.4
Basidiospores	3	70	17.1
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	8	200	48.8
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces	-	-	-
Rust	-	-	-
Scopulariopsis	-	-	-
Stachybotrys	-	-	-
Torula	-	-	-
Ulocladium	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Arthrospores	-	-	-
Botrytis	1	20	4.9
Microascus	-	-	-
Total Fungi	18	410	100
Hypthal Fragment	1	20	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	22	-
Analyt. Sensitivity 300x	-	7*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	1	-

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

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