

August 31, 2022

Ms. Margaret Durham
Facilities Manager
Elk Township School District
Fries Mill Road
Franklinville, NJ 08322

RE: Indoor Air Quality Inspection Report – August 2022 Aura Elementary School Epic Project No. 22-3182A

Dear Ms. Durham:

Epic Environmental Services, LLC (Epic) was retained by the Elk Township School District to perform indoor air quality inspections for six randomly selected areas at the Aura Elementary School. The inspections consisted of visual observations and the collection of temperature and relative humidity data. Additionally, samples for airborne mold spores were collected in the inspection areas.

The visual inspections focused on signs of moisture, water intrusion, and visible mold growth.

Temperature and relative humidity data were compared to current New Jersey Indoor Air Quality and industry standards.

Epic Environmental performed the visual inspections and collected air samples on August 19, 2022.

Acceptable Temperature and Relative Humidity

Acceptable Indoor Temperature Range: Ideal Relative Humidity Range:

68° - 79° Fahrenheit 30-60%

The following rooms/areas were inspected:

Room 112, Room 114, Room 104, Library, Room 201, Room 205

Elk Township School District
'Indoor Air Quality Inspection Report – August 2022
Aura Elementary School
Epic Project No. 22-3182A
August 31, 2022

Observations, Comments, and Recommendations

Weather: Sunny, 75° Fahrenheit, 82% Relative Humidity

Room 112

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (34.9%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Room 114

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (43.4%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Room 104

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (43.4%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Library

Minor visible mold was observed on shelving units.

No evidence of recent water intrusion was observed.

Relative humidity was slightly elevated (61.0%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

It is recommended that the shelving units be cleaned with an EPA approved fungicide formulated to kill mold and mold spores.

Room 201

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (41.1%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Room 205

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (47.0%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Elk Township School District
Indoor Air Quality Inspection Report – August 2022
Aura Elementary School
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Air Sample Results

Air samples were collected in six random locations throughout the school. Airborne mold spore concentrations were near or below background (outside) concentrations.

See Sample Data Summary

Conclusions

• Assure steps are taken to reduce relative humidity to a maximum of 60% during the summer cooling season. Although most mold activity is not likely to start until extended periods of 75% or higher relative humidity are experienced, it is recommended to have the goal of 60%.

Please do not hesitate to contact me at 856-205-1077 should you have any questions.

An invoice for the completed project is enclosed.

Regards,

James Eberts President

Epic Environmental Services, LLC

James J. Eleuts

Elk Township School District
Indoor Air Quality Inspection Report – August 2022
Aura Elementary School
Epic Project No. 22-3182A
August 31, 2022

Sample Data Summary Air Sampling

Air Samples

August 19, 2022

Air Sample Location	Airborne Mold Concentrations (spores/m³)				
	Total	Individual Mold Conc	entrations		
		Alternaria	200		
Room 112	1100	Aspergillus/Penicillium	500		
		Basidiospores	80		
		Cladosporium	200		
		Epicoccum	80		
		Rust	40		
Room 114	900	Aspergillus/Penicillium	200		
		Basidiospores	500		
		Cladosporium	200		
		Aspergillus/Penicillium	80		
Room 104	660	Basidiospores	500		
		Cladosporium	80		
Library	280	Aspergillus/Penicillium	200		
		Basidiospores	80		
Room 201	2180	Aspergillus/Penicillium	80		
		Basidiospores	1500		
		Cladosporium	600		
		Ascospores	80		
Room 205	2400	Aspergillus/Penicillium	700		
		Basidiospores	1400		
		Cladosporium	80		
		Myxomycetes	40		
		Ascospores	600		
Outside	11000	Aspergillus/Penicillium	400		
		Basidiospores	3800		
		Cladosporium	5600		
		Epicoccum	200		
		Ganoderma	200		
		Pithomyces	200		

- Total mold counts found in green indicate a total airborne mold level NEAR or BELOW the outside (background) level.
- Total mold counts found in red indicate a total airborne mold level significantly ABOVE the outside (background) level, and may be an indicator of active mold growth.
- Individual molds listed in green indicate an individual airborne mold level NEAR or BELOW outside the (background) level
- Individual molds listed in purple were not found in the background sample, but not considered evidence of a water/moisture issue or active mold growth.
- Individual molds listed in red indicate an individual airborne mold level significantly ABOVE the outside (background) level, and may be an indicator of active mold growth in the area.

Airborne mold spore concentrations were near or below background (outside) concentrations.

HEALTH SAFETY ENVIRONMENT



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Tel/Fax: (800) 220-3675 / (856) 786-0262

http://www.EMSL.com / cinnmicrolab@emsl.com

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittsgrove, NJ 06318 EMSi. Order: 372213414
Customer ID: EPIC82
Customer PO: 17-2068

Project ID:

Phone: (856) 205-1077

Fax: (856) 205-0413 Collected Date: 08/19/2022

Received Date: 08/22/2022 Analyzed Date: 08/25/2022

Project: Aura School IAQ

Lab Sample Humber:	372213414-0001		vision by Optical Microscopy (Methods MICRO 372213414-0002			3772213414-0003			
Client Sample ID:	Client Sample ID: A-OUT Volume (I.): 26 Sample Location: Outside			A-122		A-114 26			
				26					
Sample Location:			Room 122			Room 114			
Spore Types	Rane Count	Counties	% of Total	Raw Count	Count/m ⁴	% of Total	Rew Count	Count/m²	% of Total
Altomavia (Ulocladkan)		•	•	2	200	18.2	. •	•	•
Ascospores	8	600	5.5	•	•	•	•	•	
Aspergitus/Pericitium	5	400	3.6	6	500	45.6	2	200	22.2
Basidospores	47	3800	34.5	1	80	7.3	6	500	55.6
Mipolasis++		Service Service		•		•	•	•	÷.
Chectorrium++	•	•	•		•	•	•	•	•
Cinclesporture	¹¹ 70 .	5000	50.9	3	200	18.2	2	200	22.2
Curvularia	•	•		٠	•				•
Epicoccure	2	200	1.8	1	80	7.3		•	
Fusarium++	•	•				•	•		
Genoderine	2	200	1.8						
Myxorryceles++	# - 1 1 1 1. •	•	•	•	•	•	•	•	•
Phonycus**	2	200	1.8				. •		
Runt	•	•		1.	40	3.6	•	•	
ScopulariopaisAAcromecus	ggide variation	. 100 100		. • 1 /	2.5 · · · · · • · · · · · · · · · · · · ·	n gj ø d de	•		· 🙀 · · ·
Stachybotrys/Momnoniella	•	•	•		•	•	•		•
Unidentifiable Spores			1.0				•		
Zygonnycetes	•	•		•	•				
Total Fungi	126	11000	100	14	1100	100	10	500	100
Hyphal Fragment		•	•		•	•	•	•	
Insact Fragment	neggangsur	ang at 🔓 ji ang	na Marin	ang Januar			•		
Polen	•	•	•	•	•	•	•		•
Analyt. Sanathity 600x	•	80	4.	*	80	4	*	80	
Analyt. Senethinty 300x	•	40°	•		40*			40*	
Skin Fragments (1-4)	• .	1			2			2	•
Fibrous Particulate (1-4)		1			1	•	•	1	•
Background (1-5)		3			3			2	

** Backsdes office spores with similar morphology, see EMSL's fungal glossary for each specific integery.

No decemble field blank was extending with this group of samples.

Vonent Tuggol

Vincent luzzolino, M.S., Laboratory Director or other Approved Signatory

EASIL restrictes being protect to cost of analysis, bring-relation and use of test receib are the responsibility of the elect. This report relates only in the semples required above, and may not be repredicted, except in NA, without pertain approved by EMSIL, bears no responsibility for semples collection activities or anelytical restrictions. The report reflects the semples are received. Results are particularly, etc.) provided by the class on the Chain of Costarly. Sumples are willing quitip control colors and rease, locations, educations where extended high levels of bestgready pertainted one election approach and class perticularly including the underestimated best finally invoked for perticular and quantification. Elections in the class of provided and quantification. Elections are complete. Research and particular pertains pertain from the class of provided and pertains an extended at the class of the class of the class of the class and quantification. Special pertains and quantification in the class of the cla

Securities attributed by EMSL Analytical, Inc. Conserversess, NJ ASIA-LAP, LLC-ENRAP Associated #100194

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EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Tel/Fax: (800) 220-3675 / (858) 786-0262

http://www.EMSt_com / cinnmicrolab@email.com

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittagrove, NJ 08318 EMSL Order: 372213414 Customer ID: EPIC82 Customer PO: 17-2068

Project IO:

Phone: (856) 205-1077

Fax: (856) 205-0413 Collected Date: 08/19/2022

Received Date: 08/22/2022 Analyzed Date: 08/25/2022

Project: Aura School IAQ

Lab Sample Number:	Scro-6(**) Analysis of Fungal Spores & Partice 272213414-004			3	72213414-0006		1	72213414-000	6
Client Sample ID:	A-104 26		ALIB				A-201		
Volume (L):				26			26		
Sample Location:			Library			Room 201			
Spore Types	Raw Count	Count/m*	% of Total	Raw Count	Countin'	% of Total	Raw Count	Countret	% of Total
Alternarie (Ulociedism)							•		•
Ascospores	•	•	•		•	•	•	•	•
Aspergitus/Pericitium	1	80	12.1	2	200	71.4	1	80	3.7
Basidiospores	6	500	75.8	1	80	28.6	19	1500	68.8
Expotude++		•	•	•	•	•	•		
Chaetomium++	•	•	•	•	•	•		•	•
Cladosporium		80	12.1	5. ♣ 1			8	600	27.5
Curvularia	•	*		•	•	•		•	•
Epicoccura		Lista ka	•			•			
Fusarium++	•	•			•	•			•
Ganoderna	ti di 🕶 i sal	•	18 a 4 5 5 6	e e e	ing 🚁 🚁				
Myxomycates++	•	•		•	•				•
Pilhonoyces++		nga T a ribany				. V.			
Rust	•	•							
Scopulariopais/Microascus	100								
Stachybotrys/Mamnonialla	•	•		•	•			•	•
Unidentifiable Spones				7				* .	*
Zygomycotes	•								
Total Fungi			486		200	100	28	2100	100
Hyphel Fragment		-			80		1	40*	
Invect Fragment	enil a <mark>s</mark> aka a ni		rasa ji as <mark>a</mark> massa	e i deste de	~			•	
garteil en die geleichte der Anders (
Analys. Sensitivity 600x		80			80			80	
Analyt. Sensitivity 300x	: .	40*	•		40°	•		40*	-
· · · · · · · · · · · · · · · · · · ·	•		•		•			~	•
Skin Fragments (1-4)	•	3	•		•	•		4	•
Fibrous Particulate (1-4) Beckground (1-5)	•	1	•	1	,	•	•		•

 Includes other spores with similar morphology, see EMSL's fangal glossary for each specific entegory.

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

Voment Tuggolio

Vincent luzzolino, M.S., Laboratory Director or other Approved Signatory

EMSL rearstance leability levalual to court of analysis. Indeequalistics and use of feet rearstance are the responsibility of the eleval. This report relates only to the everytest above, and may not be respectated, morally for surreline approved by EMSL. SMSL, been no responsibility for surreline collection activities or enalytical method brotations. This report reflects the surrelines are research flowers are generated from the Chairs of Description are willing experience operations collections unline of heavilies from the Chairs of Description and Control operations and their periodical including to understand their beautiful for the chairs of the chairs of the chairs of the chair operation opera

Samples studyout by EMSs. Analytical, Inc. Consuminan, NJ APVI-LAP, LLC-EMLAP According #100194

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EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Tel/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emel.com EMSL Order: 372213414 Customer ID: EPIC82 Customer PO: 17-2088

Project ID:

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittsgrove, NJ 08318 Phone: (856) 205-1077 Fax: (856) 205-0413

 Collected Date:
 08/19/2022

 Received Date:
 08/22/2022

 Analyzed Date:
 08/25/2022

Project: Aura School IAQ

Test Report: M	loro-6(**) Analys	uls of Fungal S	pores & Partic	wistes by Optical Microscopy (Methods MICRO	D-80P-261, ASTM D7361)
Lub Bample Mumber: Client Semple ID: Volume (L): Sample Location:		72213414-0697 A-296 26 Room 206			
Spore Types	Raw Count	Country	% of Total		
Alternerie (Ulochedium)					
Ascospores	1	80	3.5		į
Aspergitus/Peniciffum		700	30.4		
Besidospores	18	1400	60.9		
State of the state			•		
Chaetorraum++	• atm • 1				
Cladusportum		*	3.5		
Curvularia	· Park of the control	•	•		
Epicocoum Fusarium++			•		
Genoderses	Lata kan <u>a</u> n ya san	• • • • • • • • • • • • • • • • • • • •			
Myxcraycetes++	et et Feligi II i	40*	1.7		
Pilitonycas++	jihara ah aja		A Fried	and was every every with every every element	
Rust	•	•	•		
Scopulariopsis/Microsecus					
Stachybotrys/Memnonielle	•				
Unidentifiable Spores	•	·	•		
Zygomyostes		•	•		
Total Pungl	30	2200	100		
Hyphel Fragment	•	•	•		
Insuct Fragment					
Pollen	•				
Analyt. Sensitivity 600x	•	80			
Analyt. Sensitivity 300x	•	40*	•		
Skin Fragments (1-4)	•	2			
Fibrous Particulate (1-4)	•	1			
Background (1-5)	•	2	•		<u> </u>

 Includes other spores with similar morphology, see EMSU's fangal glossary for each specific integery.

No discornable field blank was automitted with this group of samples.

Voment Tuggoline

Vincent fuzzolino, M.S., Laboratory Director or other Approved Signatory

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Environmental Microbiology Chain of Custody EMSL Order Number(Lab Use Only): 372213414

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Vesynor ^E	MSL
Westmont,	NTOR TORY OF A
28HPUE218	56) 858-4800 8994 2 054
FAX: (858)	8984192054

Company: Epic Envir	onmental Services, LLC		EMSL-Bill to: ☑ Same Different					
Street: 1930 Brown Road			If Bill to is Cillerent note instructions in Comments** Third Party Billing requires written authorization from third party					
City/State/Zip: Newf	eld, NJ 08344		**************************************					
Report To (Name): Ja	mes Eberts	Fax: 8	Fax: 856-205-0413					
Telephone: 856-205-	1077	Email /	Address: jeb	erts@epic-env.c	om			
Project Name/Number: Wendman BOE MODINE Petition Auta School TAQ								
Please Provide Resu	Its: Email Purchase Order:	17-2068		nples Taken: N	J			
	Turnajound Time (k /				
Manager 161	Hour 24 Hour 48 Hou	our 96 a'dical Price Gue						
Non Culturable Air Samples (Spore Traps)								
• MOOT Air-O-Cell	• M173 Alegio M2 • M004	Allergence	• MO32 Alla	rgenca-D	M172 Versa Trap			
• M049 BioSIS • N030 Micro 5	• M003 Burkard • M043 (• M174 MoldSnap • M176 (Systex Rel'e Smart	• M002 Gyc					
Other Microbiology Test Codes								
M041 Fungal Cirect E	xamination • M014 E	ndoloxín Analy	ઇંડ	Noza Ente				
M005 Viable Fungi ID M006 Viable Fungi ID	felerotrophic Pi Real Time Q-PC		Mo19 Feca M133 MRS					
• NOO7 Culturable Fury	Panel		T CITIM GV	. MOZE COP	tococcus neoformans			
M008 Culturable Func M009 Gram Stain Cult		'etal Colform Membrane Filtr	mtina)	Detection • M120 Histo	plasma copsulatum			
M010 Bacterial Count		ccal Streptoco		Detection	`			
Prominent	1 (Membrane Fills		I	Horgen Tosting			
MO11 Bacterial Count Prominent	and IU - 5 Most • M210-2	!15 Legibnella l Recreational Wa	Joieclion Jer Screen	NIO44 Group (Cal, Deg.	Cockroach, Dustmites)			
No13 Sewage Contar	rination in Buildings • M027 k	Aycatoxin Analy	ទាំទ	Other See	Analytical Price Guide			
Preservation Method (V	,							
1	asey Eberts			0	30 -t			
	mes aberts	Semple Semple	ute of Samplet					
Sample #	Sample Location .	Туро	Code	Volume/Area	Date/Time Collected			
A-OUT	Outside	<u>AIC</u>	M030_	<u> 25 L</u>	8/4/22 1328			
A-127	Boam 122	_Aic_			8/19/22 1337			
A-114	<u> </u>	4.(-		8/19/22 1352 8/19/22 1401			
A-104	Roam 104	4.			8/9/22 1401 819/22 1416			
A-LIB A-201	1 1 blay Boom 201	Air	-		819/22 1425			
A-205	Room 205	Aic		- 	8/19/22 /432			
A-200		1 / 14 .		Y	101111			
	1 XXIII II XXIII II XXIII II XXIII X							
Cliant Sample # (a):	IA-OUT, - A-205	То	tal # of Sample	99;	7			
Cliant Sample # (a): Relinquished (Client):	IA-Out, - A-205	Date: 8	. •	es;	7			
	IA-Out, - A-205 Casey Eberts	-	122122	Time:	7 3 pm			
Relinquished (Client):	IA-OUT, - A-205 Casey Eberts High Stepp Lit	Date: 8	122122	Time:	7 5pm			
Relinquished (Client):	IA-OUT, - A-205 Casey Eberts High Stepp Lit	Date: 8	122122	Time:	7 5pm			
Relinquished (Client):	IA-OUT, - A-205 Casey Eberts High Stepp Lit	Date: 8	122122	Time:	7 5pm			



AIHA Laboratory Accreditation Programs, LLC

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Laboratory ID: LAP-100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

| INDUSTRIAL HYGIENE Accreditation Expires: November 01, 2022
| ENVIRONMENTAL LEAD Accreditation Expires: November 01, 2022
| ENVIRONMENTAL MICROBIOLOGY Accreditation Expires: November 01, 2022
| FOOD Accreditation Expires:
| UNIQUE SCOPES Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O. Charton

Cheryl O Morton Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision19: 09/01/2020

Date Issued: 10/31/2020