March 30, 2022

Mr. David Zeck, CEFM
Facilities Manager
Franklin Township Board of Education
3228 Coles Mill Rd.
Franklinville, NJ 08322

RE: Indoor Air Quality Inspection Report – March 2022
Janvier Elementary School
Epic Project No. 22-1032

Dear Mr. Zeck:

Epic Environmental Services, LLC (Epic) was retained by the Franklin Township Board of Education (District) to perform indoor air quality inspections for five randomly selected areas at the Janvier 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 inspections on March 18, 2022.

Acceptable Temperature and Relative Humidity Criteria

Acceptable Indoor Temperature Range:	**68° - 79° Fahrenheit**
Ideal Relative Humidity Range:	**30-60%**

The following rooms/areas were inspected:

Nurse, Library, Room 17, Room 16, Room 14

Observations, Comments, and Recommendations

Weather Conditions: Mostly Cloudy, 54° Fahrenheit, 97% Relative Humidity

Nurse
No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was within the ideal range (43%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Library
No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was within the ideal range (45%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Room 17
No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was within the ideal range (47%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Room 16
No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was within the ideal range (43%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Room 14
No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was within the ideal range (44%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Air Sample Results

Air samples were collected in each inspection area. Airborne mold spore concentrations were near or below background (outside) concentrations in all areas.

See Sample Data Summary

Conclusions and General Recommendations

- Assure steps are taken to maintain a maximum relative humidity concentration of 60% during the summer months. This will reduce the overall probability of triggering mold activity.

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

Sample Data Summary
Air Sampling

Air Samples March 18, 2022

Air Sample Location	Airborne Mold Concentrations (spores/m³)		
	Total	Individual Mold Concentrations	
Nurse	1080	Basidiospores	880
		Cladosporium	200
Library	1840	Alternaria	40
		Basidiospores	1600
		Myxomycetes	200
Room 17	4000	Ascospores	200
		Aspergillus/Penicillium	200
		Basidiospores	3400
		Cladosporium	200
Room 16	2980	Aspergillus/Penicillium	880
		Basidiospores	1900
		Cladosporium	200
Room 14	6700	Basidiospores	6700
Outside	35100	Ascospores	500
		Basidiospores	34600

- 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.

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

EMSL Order: 372204179
Customer ID: EPIC62
Customer PO: 22-1032
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: 03/18/2022
Received Date: 03/21/2022
Analyzed Date: 03/22/2022

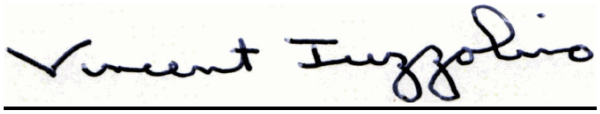
Project: Janvier ES IAQ

Test Report: Micro-5(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	372204179-0001			372204179-0002			372204179-0003		
Client Sample ID:	J-01			J-02			J-03		
Volume (L):	25			25			25		
Sample Location:	Nurse			Library			Rm 17		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	1*	40*	2.2	-	-	-
Ascospores	-	-	-	-	-	-	2	200	5
Aspergillus/Penicillium	-	-	-	-	-	-	2	200	5
Basidiospores	11	880	81.5	20	1600	87	42	3400	85
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	2	200	18.5	-	-	-	2	200	5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	2	200	10.9	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	**13**	**1080**	**100**	**23**	**1840**	**100**	**48**	**4000**	**100**
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	1	80	-
Analyt. Sensitivity 600x	-	80	-	-	80	-	-	80	-
Analyt. Sensitivity 300x	-	40*	-	-	40*	-	-	40*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	2	-

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

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



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

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

Initial report from: 03/23/2022 11:50 AM

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

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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Collected Date: 03/18/2022
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Analyzed Date: 03/22/2022

Project: Janvier ES IAQ

Test Report: Micro-5(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	372204179-0004			372204179-0005			372204179-0006		
Client Sample ID:	J-04			J-05			J-06		
Volume (L):	25			25			25		
Sample Location:	Rm 16			Rm 14			Outside		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	6	500	1.4
Aspergillus/Penicillium	11	880	29.5	-	-	-	-	-	-
Basidiospores	24	1900	63.8	84	6700	100	433	34600	98.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	2	200	6.7	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	**37**	**2980**	**100**	**84**	**6700**	**100**	**439**	**35100**	**100**
Hyphal Fragment	1	80	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	80	-	-	80	-	-	80	-
Analyt. Sensitivity 300x	-	40*	-	-	40*	-	-	40*	-
Skin Fragments (1-4)	-	3	-	-	3	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	3	-	-	2	-	-	1	-

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

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

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

Initial report from: 03/23/2022 11:50 AM

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

OrderID: 372204179

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Microbiology Chain of Custody Form

EMSL Order Number / Lab Use Only

372204179

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnMicroLab@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Epic Environmental	Company Name:	
Contact Name:	Tim Ebers	Billing Contact:	
Street Address:	80 Fork Bridge RD	Street Address:	
City, State, Zip:	Elmer NJ 08318	City, State, Zip:	Country:
Country:			
Phone:	609 561 9477	Phone:	
Email(s) for Report:	Tim + Jim Email	Email(s) for Invoice:	

Project Information

Project Name/No.:	Janvier ES IAQ
Purchase Order:	22-1032
EMSL LIMS Project ID: (If applicable, EMSL will provide)	
State Samples Collected:	
Zip Code Samples Collected:	

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-taxable)

Sampled By Name:	Tim Ebers
Sampled By Signature:	
No. of Samples in Shipment:	6

Sterile, Sodium Thiosulfate Preserved Bottle Used: ☑ Biocide Used in Source (specify)

Public Water Supply Samples: ☐ Note: All results may automatically be reported to DOH if required by State.

Turn-Around-Time (TAT) Please call ahead for large projects and/or turnaround times 8 Hours or Less *32 Hour TAT available for select tests only; samples must be submitted by 11:30am

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32* Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

MICROBIOLOGY TEST CODES

M001 Air-O-Cell	M174 MoldSnap	M012 *Pseudomonas aeruginosa* (P/A***)		M115 Sewage Screen - Water (P/A***)	
M030 Micro 5	M032 Allergenco-D	M024 *Pseudomonas aeruginosa* (MFT*)		M116 Sewage Screen - Water (MPN**)	
~~M044~~ Fungal Direct Examination		M015 Heterotrophic Plate Count		M117 Sewage Screen - Swab (P/A***)	
M169 Pollen ID & Enumeration		M017 Total Coliform & *E. Coli* (Colilert P/A***)		M013 Sewage Screen - Swab (MF*)	
M280 Dust Characterization Level-1		M018 Total Coliform & *E. Coli* (MFT*)		M730 *Methicillin-resistant Staph. aureus* (MRSA)	
M281 Dust Characterization Level-2		M114 Total Coliform & *E. Coli Enumeration (Colilert MPN**)*		M031 Rapid-growing non-TB *Mycobacteria* Detection & Enumeration	
M005 Viable Fungi-Air Samples (Genus ID & Count)		M019 Fecal Coliform (MFT*)			
M006 Viable Fungi-Air Samples (Includes *Penicillum, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)		M020 Fecal *Streptococcus* (MFT*)		M014 Endotoxin Analysis	
		M029 *Enterococci* (MFT*)		M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)	
M007 Culturable Fungi-Surface Samples (Genus ID & Count)		M129 *Enterococci* (Enterolert P/A***)		M095 Bacteroides	
M008 Culturable Fungi-Surface Samples (Includes *Penicillum, Aspergillus, Cladosporum, Stachybotrys* Species ID & Count)		M180 Real Time qPCR-ERMI 36 Panel		Other - See Analytical Price Guide for Test Code	
		M025 Sewage Screen - Water (MFT*)		*Legionella Analysis* Please use EMSL *Legionella* COC	
M009 Bacteria Culture Gram Stain & Count		*MFT= Membrane Filtration Technique			
M010 Bacteria Count & ID - 3 Most Prominent		**MPN = Most Probable Number			
M011 Bacteria Count & ID - 5 Most Prominent		***P/A = Presence/Absence			

Sample #	Sample Location/Description	Sample Type (Matrix)	Potable / Non-Potable (Only for Water)	Test Code	Volume/Area	Date / Time Collected	Temperature (Lab Use Only)
Example: Sample 1	Kitchen	Water	Potable	M017	1,000 ml	1/1/2021 3:30pm	
J-01	Nurse	Air		M030	25L	3/18/22 0909	
J-02	Library					0916	
J-03	Rm 17					0933	
J-04	Rm 16					0939	
J-05	Rm 14					0948	
J-06	Outside					1002	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

COPY

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 3/21/22 1700	Received by: (DS)	Date/Time: 3/21/22 1830
Relinquished by:	Date/Time:	Received by:	Date/Time

RECEIVED EMSL CINNAMINSON NJ 2022 MAR 21 PM 5:00

Controlled Document - COC-34 Micro R13 03/02/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

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. Morton

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

Revision19: 09/01/2020

Date Issued: 10/31/2020