

September 23, 2020

**Client Name and Address:** MAC Services, LLC 21 Mill Pond Drive Rochester, MA 02770

Re: Microbial Analytical Results from: Middle School; 1141 Brayton Ave; Somerset, MA

H2O Laboratory Number:03570

Dear Joseph Cooney,

We at H2O EnviroComp would like to thank you for your recent business. Samples were received on 9/22/2020 from a job located at Middle School; 1141 Brayton Ave; Somerset, MA. The final report is enclosed for the following samples: 1-12.

Please note that environmental conditions should be taken into account when interpreting the associated data and sampling at any other time period may produce differing results. H2O EnviroComp follows prescribed procedures for the analysis of air cassettes and direct samples to identify and quantify particulate and microbiological contamination.

These results only pertain to this job and should not be used in the interpretation of any other job. This report may be reproduced only in its entirety.

If you have any questions please do not hesitate to call me at the number below.

Regards,

Steven Grevelis Laboratory Director

Enclosures:

- Analytical results
- Chain of Custody
- Fungal glossary

EnviroComp	)	Indoor Air	nviroComp Quality Report nple Report	West Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, I	LLC Inspector:	Joseph Cooney	Date Sampled:	9/22/2020
Contact:	Joseph Cooney	Project Name:	Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020
Address:	21 Mill Pond Driv	ve Project Notes:	Project Number: 2020- 225	Date Analyzed:	9/23/2020
City, ST, Zip:	Rochester, MA (	02770 Lab No:	03570	Date Reported:	9/23/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identific	ation by Samples		
Sample N Client Sample Magnification	e ID: 4	03570-01 116024 600 X	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes

			Count/			Count/
			Cubic		Raw	Cubic
Туре:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specif	ied	2	84	Smuts	1	42
Basidiospores, Non-spe	cified	3	126	Rusts	ND	ND
Aspergillus/Penicillium-I	_ike	20	842	Spegazzinia	ND	ND
Cladosporium		11	463	Stachybotrys	ND	ND
Chaetomium		ND	ND	Ulocladium	ND	ND
Ganoderma		ND	ND	Nigrospora	ND	ND
Pithomyces		ND	ND	Un-ID Spore	ND	ND
Alternaria		ND	ND	Pollen	ND	ND
Cercospora-like		ND	ND	Hyphal Frags	ND	ND
Curvularia		ND	ND	Insect Frags	ND	ND
Epicoccum		ND	ND			
Oidium		ND	ND			
				Sample Data Com	ments:	
Skin Fragment Prevaler	nce; 1 (Low) to 4 (	(High):	1			
Background Density; 1 (	(Low) to 5 (Overlo	baded):	2			
	Total Fungal R	law Count:	37			
Analytical Sensi	itivity (Spore/Cubi	ic Meter):	42			
	Number o	f Traverses:	12			
Total Fungal Co	unt (Spore/Cubio	c Meter):	1558			
Reporting Notes:	N/A = Not	Applicable				
1 0 000		e Detected				
	*					

\* = Type detected observed in clumps

Special Ed Office

EnviroComp	)	Indoor Air	nviroComp Quality Report nple Report	West Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, L	LC Inspector:	Joseph Cooney	Date Sampled:	9/22/2020
Contact:	Joseph Cooney	Project Name:	Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020
Address:	21 Mill Pond Driv	Project Notes:	Project Number: 2020- 225	Date Analyzed:	9/23/2020
City, ST, Zip:	Rochester, MA 0	2770 Lab No:	03570	Date Reported:	9/23/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identifica	ation by Samples		
Sample N Client Sample Magnification	e ID: 4 <sup>-</sup>	03570-02 116025 00 x	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes

· ·			Count/			Count/
			Cubic		Raw	Cubic
Туре:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specifi	ed	1	42	Smuts	ND	ND
Basidiospores, Non-spec	cified	5	211	Rusts	ND	ND
Aspergillus/Penicillium-L	ike	156	6568	Spegazzinia	ND	ND
Cladosporium		3	126	Stachybotrys	ND	ND
Chaetomium		ND	ND	Ulocladium	ND	ND
Ganoderma		ND	ND	Nigrospora	ND	ND
Pithomyces		ND	ND	Un-ID Spore	ND	ND
Alternaria		ND	ND	Pollen	ND	ND
Cercospora-like		ND	ND	Hyphal Frags	ND	ND
Curvularia		ND	ND	Insect Frags	ND	ND
Epicoccum		ND	ND			
Oidium		ND	ND			
				Sample Data Com	ments:	
Skin Fragment Prevalen	ce; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (	Low) to 5 (Ov	erloaded):	1			
	Total Funga	al Raw Count:	165			
Analytical Sensit	ivity (Spore/C	Cubic Meter):	42			
	Numbe	er of Traverses:	12			
Total Fungal Count (Spore/Cubic Meter):		6947				
Reporting Notes:	N/A = 1	Not Applicable				
		None Detected				

 $\star$  = Type detected observed in clumps

Analyzed by: Steven Grevelis Analyzed Date: 9/23/2020 Room 11

EnviroComp	)	Indoor Air	EnviroComp Quality Report nple Report	West Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, LL	C Inspector:	Joseph Cooney	Date Sampled:	9/22/2020
Contact:	Joseph Cooney	Project Name:	Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020
Address:	21 Mill Pond Drive	Project Notes:	Project Number: 2020- 225	Date Analyzed:	9/23/2020
City, ST, Zip:	Rochester, MA 027	770 Lab No:	03570	Date Reported:	9/23/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identific	ation by Samples		
Sample N Client Sample Magnification	e ID: 411	570-03 6029 x	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes

		Count/			Count/
		Cubic		Raw	Cubic
Туре:	Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specified	ND	ND	Smuts	1	42
Basidiospores, Non-specified	12	505	Rusts	ND	ND
Aspergillus/Penicillium-Like	14	589	Spegazzinia	ND	ND
Cladosporium	27	1137	Stachybotrys	ND	ND
Chaetomium	ND	ND	Ulocladium	ND	ND
Ganoderma	ND	ND	Nigrospora	ND	ND
Pithomyces	ND	ND	Un-ID Spore	ND	ND
Alternaria	ND	ND	Pollen	ND	ND
Cercospora-like	ND	ND	Hyphal Frags	ND	ND
Curvularia	1	42	Insect Frags	ND	ND
Epicoccum	ND	ND			
Oidium	ND	ND			
			Sample Data Comm	ents:	
Skin Fragment Prevalence; 1 (Low) to	4 (High):	1			
Background Density; 1 (Low) to 5 (Ov	erloaded):	1			
Total Funga	al Raw Count:	55			
Analytical Sensitivity (Spore/C	ubic Meter):	42			
Numbe	er of Traverses:	12			
Total Fungal Count (Spore/Cubic Meter):		2316			
	Not Applicable Ione Detected				

 $\star$  = Type detected observed in clumps

Analyzed by: Steven Grevelis Analyzed Date: 9/23/2020 Room 36

EnviroComp	)	Indoor Air	nviroComp Quality Report nple Report	West Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, L	LC Inspector:	Joseph Cooney	Date Sampled:	9/22/2020
Contact:	Joseph Cooney	Project Name:	Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020
Address:	21 Mill Pond Driv	Project Notes:	Project Number: 2020- 225	Date Analyzed:	9/23/2020
City, ST, Zip:	Rochester, MA 0	2770 Lab No:	03570	Date Reported:	9/23/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identifica	ation by Samples		
Sample N Client Sample Magnification	e ID: 3	)3570-04 969628 00 x	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes

•		Count/			Count/
<b>-</b>	<b>D</b>	Cubic	<b>T</b>	Raw	Cubic
Туре:	Raw Co		Туре:	Count	Meter
Ascospores, Non-specif		42	Smuts	1	42
Basidiospores, Non-spe		84	Rusts	ND	ND
Aspergillus/Penicillium-L	ike 3	126	Spegazzinia	ND	ND
Cladosporium	ND	ND	Stachybotrys	ND	ND
Chaetomium	ND	ND	Ulocladium	ND	ND
Ganoderma	ND	ND	Nigrospora	ND	ND
Pithomyces	ND	ND	Un-ID Spore	ND	ND
Alternaria	ND	ND	Pollen	ND	ND
Cercospora-like	ND	ND	Hyphal Frags	ND	ND
Curvularia	ND	ND	Insect Frags	ND	ND
Epicoccum	ND	ND		-	
Oidium	ND	ND			
			Sample Data Con	nments:	
Skin Fragment Prevalen	ice; 1 (Low) to 4 (High):	1			
Background Density; 1 (	Low) to 5 (Overloaded):	1			
	Total Fungal Raw Cour	nt: 7			
Analytical Sensi	tivity (Spore/Cubic Meter)	): 42			
-	Number of Travers	ses: 12			
Total Fungal Cou	unt (Spore/Cubic Meter)	: 295			
Reporting Notes:	N/A = Not Applicat	ble			
	ND = None Detect				
	* Turpe detected	obconvod in alu	mno.		

\* = Type detected observed in clumps

Cafeteria - East Side

EnviroComp	)	Indoor Air	EnviroComp Quality Report nple Report	West Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, I	LLC Inspector:	Joseph Cooney	Date Sampled:	9/22/2020
Contact:	Joseph Cooney	Project Name:	Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020
Address:	21 Mill Pond Dri	ive Project Notes:	Project Number: 2020- 225	Date Analyzed:	9/23/2020
City, ST, Zip:	Rochester, MA	02770 Lab No:	03570	Date Reported:	9/23/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identific	ation by Samples		
Sample N Client Sample Magnification	e ID: 3	03570-05 3969629 600 x	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes

Location:

Cafeteria - West Side

Sample Data:

•			Count/			Count/
			Cubic		Raw	Cubic
Туре:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specif	ied	ND	ND	Smuts	ND	ND
Basidiospores, Non-spe	cified	ND	ND	Rusts	ND	ND
Aspergillus/Penicillium-L	_ike	2	84	Spegazzinia	ND	ND
Cladosporium		6	253	Stachybotrys	ND	ND
Chaetomium		ND	ND	Ulocladium	ND	ND
Ganoderma		ND	ND	Nigrospora	ND	ND
Pithomyces		ND	ND	Un-ID Spore	ND	ND
Alternaria		ND	ND	Pollen	ND	ND
Cercospora-like		ND	ND	Hyphal Frags	ND	ND
Curvularia		ND	ND	Insect Frags	ND	ND
Epicoccum		ND	ND			
Oidium		ND	ND			
				Sample Data Com	ments:	
Skin Fragment Prevalen	nce; 1 (Low) to 4	(High):	1			
Background Density; 1 (	Low) to 5 (Overlo	baded):	1	]		
	Total Fungal R	law Count:	8			
Analytical Sensi	tivity (Spore/Cub	ic Meter):	42			
	Number o	f Traverses:	12			
Total Fungal Cou	unt (Spore/Cubi	c Meter):	337			
Reporting Notes:	N/A = Not	Applicable				
		e Detected				
	* -	data ata di aba a				

\* = Type detected observed in clumps

EnviroComp	)	Indoor Air	EnviroComp r Quality Report mple Report	West Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services,	LLC Inspector:	Joseph Cooney	Date Sampled:	9/22/2020
Contact:	Joseph Cooney	Project Name:	Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020
Address:	21 Mill Pond Dr	rive Project Notes:		Date Analyzed:	9/23/2020
City, ST, Zip:	Rochester, MA	02770 Lab No:	03570	Date Reported:	9/23/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identific	ation by Samples		
Sample N Client Sample Magnification	e ID:	03570-06 3969624 600 x	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes

Location:

Music Room

Sample Data:

		Count/			Count/
		Cubic		Raw	Cubic
Туре:	Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specif	ied <b>2</b>	84	Smuts	1	42
Basidiospores, Non-spe	cified 6	253	Rusts	ND	ND
Aspergillus/Penicillium-L	ike ND	ND	Spegazzinia	ND	ND
Cladosporium	5	211	Stachybotrys	ND	ND
Chaetomium	ND	ND	Ulocladium	ND	ND
Ganoderma	ND	ND	Nigrospora	ND	ND
Pithomyces	ND	ND	Un-ID Spore	ND	ND
Alternaria	ND	ND	Pollen	ND	ND
Cercospora-like	ND	ND	Hyphal Frags	ND	ND
Curvularia	ND	ND	Insect Frags	ND	ND
Epicoccum	ND	ND			
Oidium	ND	ND			
			Sample Data Com	ments:	
Skin Fragment Prevalen	ce; 1 (Low) to 4 (High):	1			
Background Density; 1 (	Low) to 5 (Overloaded):	1			
	Total Fungal Raw Count:	14			
Analytical Sensi	tivity (Spore/Cubic Meter):	42			
	Number of Traverses:	12			
Total Fungal Cou	Int (Spore/Cubic Meter):	589			
Reporting Notes:	N/A = Not Applicable				
	ND = None Detected				
	* - Type detected abo	anvad in alun	200		

\* = Type detected observed in clumps

EnviroComp	)	Indoor Air	EnviroComp Quality Report nple Report	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services, L	LC Inspector:	Joseph Cooney	Date Sampled:	9/22/2020	
Contact:	Joseph Cooney	Project Name:	Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020	
Address:	21 Mill Pond Driv	ve Project Notes:	Project Number: 2020- 225	Date Analyzed:	9/23/2020	
City, ST, Zip:	Rochester, MA 0	02770 Lab No:	03570	Date Reported:	9/23/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	eID: 4	03570-07 116034 500 X	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes	

-			Count/ Cubic		Raw	Count/ Cubic
Type:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specif	ied	ND	ND	Smuts	ND	ND
Basidiospores, Non-spe		1	42	Rusts	ND	ND
Aspergillus/Penicillium-L		17	716	Spegazzinia	2	84
Cladosporium		3	126	Stachybotrys	ND	ND
Chaetomium		ND	ND	Ulocladium	ND	ND
Ganoderma		ND	ND	Nigrospora	ND	ND
Pithomyces		ND	ND	Un-ID Spore	ND	ND
Alternaria		ND	ND	Pollen	ND	ND
Cercospora-like		ND	ND	Hyphal Frags	ND	ND
Curvularia		ND	ND	Insect Frags	ND	ND
Epicoccum		ND	ND			
Oidium		ND	ND			
				Sample Data Com	nments:	
Skin Fragment Prevaler	nce; 1 (Low) to	9 4 (High):	2			
Background Density; 1 (	(Low) to 5 (Ov	erloaded):	2			
	Total Funga	al Raw Count:	23			
Analytical Sensi	itivity (Spore/C	ubic Meter):	42			
Number of Traverses:			12			
Total Fungal Count (Spore/Cubic Meter):		968				
Reporting Notes:	N/A = 1	Not Applicable				
		Ione Detected				
	* _					

\* = Type detected observed in clumps

Shop Area

EnviroComp	)	I	H2O Envi ndoor Air Qu Air Sampl	ality Report	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services,	LLC Inspec	stor: Jo	oseph Cooney	Date Sampled:	9/22/2020	
Contact:	Joseph Cooney	y Projec	В	liddle School; 1141 rayton Ave; Somerset, IA	Date Received:	9/22/2020	
Address:	21 Mill Pond Dr	rive <b>Projec</b>	t Notes: P	roject Number: 2020- 25	Date Analyzed:	9/23/2020	
City, ST, Zip:	Rochester, MA	02770 Lab No	<b>o:</b> 03	3570	Date Reported:	9/23/2020	
Phone:	508-789-0983				Report Status:	Version 1	
		Mold	Identificatio	on by Samples			
Sample N Client Sample Magnification	e ID:	03570-08 3969626 600 X		Sample Medium Sampling Rate Total Liters:	15L/Min for	o-D 5 Minutes	

•			Count/		Davis	Count/
Tumor		Dow Count	Cubic	Turner	Raw Count	Cubic
Туре:		Raw Count	Meter	Туре:		Meter
Ascospores, Non-speci		2	34	Smuts	2	34
Basidiospores, Non-spe		10	168	Rusts	ND	ND
Aspergillus/Penicillium-I	Like *	39	657	Spegazzinia	ND	ND
Cladosporium		14	236	Stachybotrys	ND	ND
Chaetomium		ND	ND	Ulocladium	ND	ND
Ganoderma		ND	ND	Nigrospora	ND	ND
Pithomyces		1	17	Un-ID Spore	ND	ND
Alternaria		1	17	Pollen	ND	ND
Cercospora-like		ND	ND	Hyphal Frags	3	51
Curvularia		ND	ND	Insect Frags	ND	ND
Epicoccum		ND	ND			
Oidium		ND	ND			
				Sample Data Com	ments:	
Skin Fragment Prevaler	nce; 1 (Low) to	o 4 (High):	1			
Background Density; 1	(Low) to 5 (Ov	erloaded):	2			
	Total Funga	al Raw Count:	69			
Analytical Sens	itivity (Spore/C	Cubic Meter):	17			
Number of Traverses:			30			
Total Fungal Count (Spore/Cubic Meter):		1162				
Reporting Notes:		Not Applicable Ione Detected				
	* -					

\* = Type detected observed in clumps

Vice Principal Office

EnviroComp		Indoor Air	nviroComp Quality Rep nple Report	ort	W	/est Deni	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, LLC	Inspector:	Joseph Co	oney	Date Sa	mpled:	9/22/2020
Contact:	Joseph Cooney	Project Name:	Middle Sch Brayton Av MA	nool; 1141 <b>Date Rece</b> ve; Somerset,		ceived:	9/22/2020
Address:	21 Mill Pond Drive	Project Notes:		mber: 2020-	Date An	alyzed:	9/23/2020
City, ST, Zip:	Rochester, MA 02770	Lab No:	03570		Date Re	ported:	9/23/2020
Phone:	508-789-0983				Report	Status:	Version 1
		Mold Identifica	ation by Sa	mples	-		
Sample Number:       03570-09       Sample Medium:       Allergenco-D         Client Sample ID:       4116027       Sampling Rate:       15L/Min       for       5 M         Magnification:       600 X       Total Liters:       75         Sample Data:       Sample Data:       Sample Medium:       Allergenco-D						5 Minutes	
Sample Data:			Count/	1		<u>г г</u>	Count/
			Cubic			Raw	Cubic
	Туре:	Raw Count	Meter	Туре:		Count	Meter
Ascospores, N		8	337	Smuts		26	1095
	, Non-specified	38	1600	Rusts		ND	ND
Aspergillus/Pe	nicillium-Like	ND	ND	Spegazzinia		ND	ND
Cladosporium		11	463	Stachybotrys		ND	ND
Chaetomium		ND 8	ND 337	Ulocladium		ND ND	ND ND
Ganoderma Pithomyces		0 22	926	Coprinus Un-ID Spore		ND	ND
Alternaria		ND	ND	Pollen		ND	ND
Cercospora-lik	e	ND	ND	Hyphal Frags		33	1389
Curvularia	-	57	2400	Insect Frags		ND	ND
Epicoccum		ND	ND	Ŭ			
Memnoniella		ND	ND				
				Sample Data	Commen	its:	
	t Prevalence; 1 (Low) to		1	-			
Background D	ensity; 1 (Low) to 5 (Ov	erloaded): al Raw Count:	3	-			
Applyt	ical Sensitivity (Spore/C		170 42				
Απαιγι		er of Traverses:	12				
Total Fu	ungal Count (Spore/Co		7158				
Reporting Note		Not Applicable None Detected					
	<b>*</b> = Ty	pe detected obse	rved in clum	ips			
	•						
Analyzed by: Analyzed Date	Steven Grevelis : 9/23/2020					Page 9	of 12

EnviroComp	)	Indoor Air	nviroComp Quality Report nple Report	24 School Stre P.O. Box 4 West Dennis, MA 026 Phone 508.737.42		
Company:	MAC Services, LLC	Inspector:	Joseph Cooney	Date Sampled:	9/22/2020	
Contact:	Joseph Cooney	Project Name:	Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020	
Address:	21 Mill Pond Drive	Project Notes:	Project Number: 2020- 225	Date Analyzed:	9/23/2020	
City, ST, Zip:	Rochester, MA 0277	70 Lab No:	03570	Date Reported:	9/23/2020	
Phone:	508-789-0983			<b>Report Status:</b>	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 3969		Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes	

		Count/ Cubic		Raw	Count/ Cubic
Туре:	Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specifie	ed ND	ND	Smuts	ND	ND
Basidiospores, Non-spec	cified ND	ND	Rusts	ND	ND
Aspergillus/Penicillium-Li	ike 5	211	Spegazzinia	ND	ND
Cladosporium	1	42	Stachybotrys	ND	ND
Chaetomium	ND	ND	Ulocladium	ND	ND
Ganoderma	ND	ND	Nigrospora	ND	ND
Pithomyces	ND	ND	Un-ID Spore	ND	ND
Alternaria	ND	ND	Pollen	ND	ND
Cercospora-like	ND	ND	Hyphal Frags	ND	ND
Curvularia	ND	ND	Insect Frags	ND	ND
Epicoccum	ND	ND			
Oidium	ND	ND			
			Sample Data Com	ments:	
Skin Fragment Prevalence	ce; 1 (Low) to 4 (High):	1			
Background Density; 1 (L	_ow) to 5 (Overloaded):	1			
	Total Fungal Raw Count:	6			
Analytical Sensitivity (Spore/Cubic Meter):		42			
	Number of Traverses:	12			
Total Fungal Count (Spore/Cubic Meter):		253			
Reporting Notes:	N/A = Not Applicable				
	ND = None Detected				

 $\star$  = Type detected observed in clumps

School Adjustment

Councelor

EnviroComp	)	Indoor	O EnviroComp Air Quality Report Sample Report	West Denr	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services,	, LLC Inspector:	Joseph Cooney	Date Sampled:	9/22/2020		
Contact:	Joseph Cooney	y Project Nan	ne: Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020		
Address:	21 Mill Pond Di	rive Project Note		Date Analyzed:	9/23/2020		
City, ST, Zip:	Rochester, MA	02770 Lab No:	03570	Date Reported:	9/23/2020		
Phone:	508-789-0983			Report Status:	Version 1		
		Mold Ident	tification by Samples				
Sample N Client Sample Magnification	e ID:	03570-11 3969625 600 X	Sample Mediur Sampling Rat Total Liter	e: 15L/Min for	co-D 5 Minutes		

			Count/			Count/
			Cubic		Raw	Cubic
Туре:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specifie	d	ND	ND	Smuts	ND	ND
Basidiospores, Non-speci	fied	2	84	Rusts	ND	ND
Aspergillus/Penicillium-Lik	ke	1	42	Spegazzinia	ND	ND
Cladosporium		2	84	Stachybotrys	ND	ND
Chaetomium		ND	ND	Ulocladium	ND	ND
Ganoderma		ND	ND	Nigrospora	ND	ND
Pithomyces		ND	ND	Un-ID Spore	ND	ND
Alternaria		ND	ND	Pollen	ND	ND
Cercospora-like		ND	ND	Hyphal Frags	1	42
Curvularia		ND	ND	Insect Frags	ND	ND
Epicoccum		ND	ND			
Oidium		ND	ND	1		
				Sample Data Com	ments:	
Skin Fragment Prevalenc	e; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (L	ow) to 5 (Ov	erloaded):	1			
	Total Funga	al Raw Count:	5			
Analytical Sensitivity (Spore/Cubic Meter):			42			
Number of Traverses:			12			
Total Fungal Count (Spore/Cubic Meter):			211			
Reporting Notes:	N/A = 1	Not Applicable				
		Ione Detected				

\* = Type detected observed in clumps

Guidance Grade 7&8

EnviroComp	)	Indoor	20 EnviroComp Air Quality Report Sample Report	West Denr	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services,	, LLC Inspector:	Joseph Cooney	Date Sampled:	9/22/2020		
Contact:	Joseph Coone	y Project Nan	ne: Middle School; 1141 Brayton Ave; Somerset, MA	Date Received:	9/22/2020		
Address:	21 Mill Pond D	rive Project Note		Date Analyzed:	9/23/2020		
City, ST, Zip:	Rochester, MA	02770 Lab No:	03570	Date Reported:	9/23/2020		
Phone:	508-789-0983			Report Status:	Version 1		
		Mold Ident	tification by Samples				
Sample N Client Sample Magnification	e ID:	03570-12 3969631 600 X	Sample Mediu Sampling Rat Total Liter	te: 15L/Min for	co-D 5 Minutes		

			Count/			Count/
			Cubic		Raw	Cubic
Туре:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specif	ied	ND	ND	Smuts	1	42
Basidiospores, Non-spe	cified	5	211	Rusts	ND	ND
Aspergillus/Penicillium-L	_ike	1	42	Spegazzinia	ND	ND
Cladosporium		ND	ND	Stachybotrys	ND	ND
Chaetomium		1	42	Ulocladium	ND	ND
Ganoderma		ND	ND	Nigrospora	ND	ND
Pithomyces		ND	ND	Un-ID Spore	ND	ND
Alternaria		ND	ND	Pollen	ND	ND
Cercospora-like		ND	ND	Hyphal Frags	ND	ND
Curvularia		ND	ND	Insect Frags	ND	ND
Epicoccum		ND	ND			
Oidium		ND	ND			
				Sample Data Com	ments:	
Skin Fragment Prevaler	nce; 1 (Low) to	4 (High):	1			
Background Density; 1 (	Low) to 5 (Ove	rloaded):	1			
	Total Fungal	Raw Count:	8			
Analytical Sensi	tivity (Spore/Cu	ubic Meter):	42			
Number of Traverses:		12				
Total Fungal Count (Spore/Cubic Meter):		337				
Reporting Notes:	N/A = N	ot Applicable				
		one Detected				
	* -					

\* = Type detected observed in clumps

School Psychologist

	: 444 MA 02670			*		Version 1.0 4/9/2012
LLC Phone:508-789-0983	Client Addres	s:21 Mill Po	ond Drive	Roche	ester, MA	
et Middle School						
ayton Ave.	Town: Somers	et		State: MA	Zip Code	
ooney Project Manager: Joseph Cooney	Email 1: jcool					H2O Lab ID: 03570
nd Time: 岡Rush 니 24 Hour 니 48 Hour 니 3 Day 니 5 Day [Email 2:				Volume D	ata	00010
LOCATION		Type (Air, Tape Lift, Bulk)	Rate (I/min)	Time (min)	Volume	Sample Media (Air-O- Cell, Allergenco-D, etc)
Special Ed office		Air	15	5	75	Allergenco-D
Room 11		Air	15	5	75	Allergenco-D
Room 36		Air	15	5	75	Allergenco-D
Cafataria - East side.		Air	15	5	75	Allergenco-D
Cafastavila- West side	2	Air	15	5	75	Allergenco-D
Music room		Air	15	5	75	Allergenco-D
Shop pret						
Vice Principal office						
Outdoors & near of school	bldg.					
School Adjustment Counselor						
ph Cooney	Date/Time:	9/22/2020			Page	) of Z
ven Grevelis	Date/Time:	9/22/2020	)			
	et Middle School nyton Ave. Project Manager: Joseph Cooney ush 24 Hour 48 Hour 3 Day 5 Day LOCATION Special Ed office Room II Room II Room 36 Catataria - East side. Catataria - East side. Catataria - West side. Music woon Shop Anea Uice Principal office Outdoovs & near of school School Adjustment Counselor ph Cooney	et Middle School project nyton Ave. Town: Somers Doney Email Addree Project Manager: Joseph Cooney Email 2: LOCATION Special Ed office Room II Room II Room 36 Cafataria - East side. Cafataria - Kast side. Cafataria - West side. Shop Area Uice Principal office Outdows & rear of school bldg. School Adjustment Can selor Date/Time: S	et Middle School Project Number: 20 pyton Ave. Town: Somerset Doney Email Address(es) to Se Project Manager: Joseph Cooney Email 1: Joconey@macm ush 24 Hour 48 Hour 3 Day 5 Day Email 2: LOCATION Sample Type LOCATION Air Special Ed office Air Room 11 Air Room 36 Air Cafataria - East side. Air Cafataria - West side. Air Music toom Air Shop ANEA Uice Principal office Outdoors & NEAR of schul bldg. School Adjustment Camelor Date/Time: 9/22/2020	et Middle School       Project Number: 2020-225         syton Ave.       Town: Somerset         project Manager: Joseph Cooney       Email Address(es) to Send Repoint S	at Middle School       Project Number: 2020-225         intro Ave.       Town: Somerset       State: MA         soney       Email Address(es) to Send Report to:       Email 1; jcooney@macmoldandmore.com         ush □24 Hour       □48 Hour       □3 Day       □5 Day       Email 2:         LOCATION       Image: Joseph Cooney       Email 2:       Volume D         special       £2 Hour       □48 Hour       □3 Day       □5 Day       Email 2:         LOCATION       Image: Joseph Cooney       Email 2:       Volume D         special       £2 office       Air       15       5         Room       II       S       5       5         Room       II       S       5       5         Mustc	et Middle School       Project Number: 2020-225         syton Ave.       Town: Somerset       State: MA Zip Code         Doney       Email Address(es) to Send Report to: Email 1: jcooney@macmoldandmore.com         Ush 224 Hour       148 Hour       13 Day       15 Day         LocAtion       Sample Type (Imail 1: jcooney@macmoldandmore.com       Volume Data         Special       Ed office       Air       15       5       75         Room       II       Air       15       5       75         Room       II       Site: MA zip Code       Air       15       5         Special       Ed office       Air       15       5       75         Room       II       Air       15       5       75         Room       Air       15       5       75         Room       Air       15       5       75         Room       Air       15       5       75         Caftestaria-       West State       Air       15       5       75         Shop       Music       Good       Air       15       5       75         Shop       Music       Good       IIII       IIIII       IIIIIIIIIIIIIIIIIIIIIIIIII

EnviroComp	oCompMicrobial Chain of CustodyStreetVersion 1.0< 4444/9/2012MA 02670						
Client: MAC Servic	Client Address: 21 Mill Pond Drive Rochester, MA						
Client: MAC Services, LLC Phone: 508-789-0983 Project Name: Somerset Middle School		Project Number: 2020-225					
Proj. Address: 1141	Town: Somerset State: MA Zip Code						
Sampled By: Joseph Cooney Date: 092120 9 - 12-20 Project Manager: Joseph Cooney Turn Around Time: Rush 24 Hour 48 Hour 3 Day 5 Day		Email Address(es) to Send Report to: Email 1: jcooney@macmoldandmore.com Email 2:				H2O Lab ID: 03570	
SAMPLE ID	LOCATION		Sample Type (Air, Tape Lift, Bulk)	Rate (I/min)	/olume D Time (mln)	ata Volume	Sample Media (Air-O- Cell, Allergenco-D, etc)
3969625	Guidance Grade 7+8 School Rychologist		Air	15	5	75	Allergenco-D
3969831	School Raychologist		Air	15	5	75	Allergenco-D
			Air	15	5	75	Allergenco-D
			Air	15	5	75	Allergenco-D
			Air	15	5	75	Allergenco-D
			Air	15	5	75	Allergenco-D
		99 197 497 197 197 197 197 197 197 197 197 197 1				an a	
	j.	ana manana manana manana manana m					
Relinquished by: Joseph Cooney Received by: Steven Grevelis		Date/Time: 9/22/2020 P. Date/Time: 9/22/2020				Page	2 of 2



H2O EnviroComp Fungal Glossary

Note: The following list is not inclusive of all molds and fungi.

**Absidia:** Found outdoors in soil and decaying vegetation. Found indoors in stored grains and other foods. Absidia is recognized as an allergen. In immunocompromised patients pulmonary invasions, the meninges (brain or spinal cord), and kidney infections can result from exposure.

**Acremonium:** Found outdoors in decaying or dead plant materials. Found indoors in food and wet, cellulose based building materials. Grows well indoors when there is a high water content (>0.90 Aw). Type I (hat fever, asthma) and Type III (hypersensitivity pneumonitis) allergen. Known to cause infections in immunodeficient patients and persons with wound injuries. There are 100 known species.

**Alternaria:** Common saprobe and pathogen of plants. Typically found on plant tissue, decaying wood, and foods, soil and air outdoors. Indoors it is found near condensation (window frames, showers), house dust (in carpets, and air). It also colonizes building supplies, computer disks, cosmetics, leather, optical instruments, paper, sewage, stone monuments, textiles, wood pulp, and jet fuel. Type I allergies (hay fever, asthma) and Type III (hypersensitivity pneumonitis). Alternaria spores are one of the most common and potent indoor and outdoor airborne allergens. Additionally, Alternaria sensitization has been determined to be one of the most important factors in the onset of childhood asthma. Synergy with Cladosporium or Ulocladium may increase the severity of symptoms.

**Arthrinium:** Found outdoors in decaying plant material and soil. Found indoors on cellulose containing materials. *Arthrinium sphaerospermum* is recognized as an allergen.

**Ascospores:** Ascospores are found everywhere in nature. Ascospores are the result of sexual reproduction and produced in a saclike structure called an ascus. All ascospores belong to members of the Phylum Ascomycota, which encompasses a plethora of genera worldwide.

**Asperigillus/Penicillium**: These species are common contaminants on various substances. This organism causes food spoilage and is an indicated organism for dampness indoors. Some of these species are known to produce mycotoxins. If health effects are noticed by occupants or workers, in an environment that evidences an amplification of Penicillium, identification of species is helpful. These especially opportunistic pathogens may cause respiratory infections. Some varieties produce mycotoxins and aflatoxins.

**Basidiospores**: Found outdoors in gardens forests and woodlands. Plant pathogen. Indoors it is the agent of "dry rot" and other fungi causing white and brown wood rot. Grow and destroy the structural wood of buildings. Poria incrassata causes a particularly destructive dry rot in buildings. A probably common allergen. Type I allergies (hay fever, asthma).

**Bipolaris:** Found outdoors in plant debris and soil. Found indoors on houseplants and indoor building materials. Type I allergies (hay fever, asthma). Most commonly reported cause of allergic and chronic invasive sinusitis.

**Botrytis:** Plant pathogen responsible for causing gray mold (*B. cincera*) on grapes, strawberries, raspberries, blackberries, low bush blueberries, lettuce, cabbage and onion. Indoors it is found on houseplants fruits and vegetables. Type I (hay fever, asthma) and type III (hypersensitivity) allergies.



## **mp** H2O EnviroComp Fungal Glossary

**Candida:** Found in leaves, flowers, soil, water and is an inhabitant of the skin, mouth and vagina. It is unknown what suitable substrates are in the indoor environment. Has been reported as an allergen. Occurs in patients taking drugs such as oral contraceptives and antibiotics.

**Cercospora:** Found outdoors on plants. It is a plant parasite causing leaf spot. It is unknown what substrates it prefers indoors. Thrives in moderate to high humidity its allergenic potential is unknown.

**Chaetomium:** Found outdoors in soil, seeds, dung, woody and straw materials. Indoors found on damp sheet rock paper. Type I allergies (hay fever, asthma).

**Coprinus:** Found outdoors in wood, dung, litter and soil. Industrial uses: Popular experimental organism in genetic research

**Cladosporium**: Found outdoors in soil of many different types. Indoors it is found on many substrates including textiles, wood, and moist windowsills. Cladosporium grows at 0degrees C, and so is associated with refrigerated foods. It is a common and important allergen. Type I allergies (hay fever, asthma).

**Cladophialophora (form of Cladosporium): Phialophora:** Found outdoors in wood roots, stems and leaves of plants and grasses, and soil. It is a water loving fungus. Allergenicity has not been studied.

**Coprinus:** Found outdoors in wood, dung, litter and soil. Industrial uses: Popular experimental organism in genetic research

**Curvularia:** found outdoors in plant saprobe and pathogen to cereal plants and soil. Found indoors in paper and wood products. Type I allergies (asthma and hay fever) A relatively common cause of allergic fungal sinusitis.

**Dactylaria:** Found outdoors in decaying soil and leaves. Dactylaria species comprise a very small proportion of the fungal biota. There have been several reports of opportunistic infections caused by these genera but a true pathogenic role has not been firmly established. No information is available regarding upper respiratory health effects, or toxicity. Allergenicity has not been studied.

**Epicoccum:** Found outdoors in plant debris and soil. Found indoors in paper and textiles. Type I allergies (asthma and hay fever).

**Fusarium:** Found outdoors in soil. Occasionally found on a variety of substrates. Fusarium requires very wet conditions. Aw=0.86-0.91 (minimum for various species). . Type I allergies (asthma and hay fever).

**Gandomera:** Found outdoors on conifers and hardwoods worldwide, causing white rot, root rot, and stem rot. Ganoderma species are known to cause allergies in people on a worldwide scale.

**Memnoniella:** Found outdoors in plant litter soil and many types of plants and trees. Found indoors on a variety of substrates (cellulolytic). Allergens are unknown. Very closely related to Stachybotrys.

**Myxomycetes**: Found outdoors in decaying logs and stumps, particularly in forested areas. Only found occasionally indoors. Type I allergies (hay fever, asthma)



•Comp H2O EnviroComp Fungal Glossary

**Nigrospora:** Found outdoors in decaying plants and soil. Rarely found indoors. Type I allergies (asthma and hay fever).

**Pithomyces:** Found outdoors in bark, leaf litter and soils. Indoors it is found in paper and requires high levels of moisture for spore germination. Its allergenic potential is unknown.

**Rust:** Rusts are parasitic to many types of plants. Rust fungi require a living plant host for growth. Type I allergens (hay fever, asthma). There are 5000 known species of rusts belonging to at least 150 different genera. Rusts are the cause of great economic losses on many cultivated plants.

**Scopulariopsis (Hyphomycetes)** Teleomorph: *Microascus* (Ascomycetes) Mainly soil-borne, but also frequently isolated from wood, grain, fruit, paper, and food such as meat and dairy products. Also isolated from indoor environments. *Most species can liberate arsenic gaseous compounds that can lead to arsenic poisoning. Has recently been associated with invasive human infections.* 

**Spegazzinia:** Found outdoors in plants and soil. It is unknown what substrates it is found on indoors. Allergenic properties are unknown.

**Stachybotrys**: Stachybotrys: Stachybotrys grows on wet materials that contain cellulose and low nitrogen content. Usually but not limited to building materials such as wallboard paper (unfinished drywall) that has a high water activity over a long period of time. It produces several types of toxic metabolites and mycotoxins that can irritate skin and mucous membranes. One of the mycotoxins it produces called satratoxin is also toxic when inhaled. *Extreme care should be taken when this organism is amplified indoors*. Individuals with chronic exposure to the toxin produced by this fungus reported cold and flu symptoms, sore throat, diarrhea, headaches, fatigue, dermatitis, intermittent local hair loss, and generalized malaise. The toxins produced by this fungus will suppress the immune system affecting the lymphoid tissue and the bone marrow.

**Stemphylium**: Found outdoors in soil, wood, decaying vegetation. Some species found on leaves are plant pathogens. Indoors growth is rare. Known allergen. Shares allergens with Alternaria. Type I allergies (hay fever, asthma).

**Trichoderma**: Found outdoors in soil, wood, decaying vegetation. Some species found on leaves are plant pathogens. Indoors growth on paper, textiles, and wet wood. Known allergen. Type I allergies (hay fever, asthma), Type III allergies (hypersensitivity), and has occasionally been associated with disease in immunocompromised individuals.

**Torula:** Found outdoors in leaves, plant roots, plant litter, soil and wood. Indoors it is found in paper, wicker furniture and wood. Type I allergies (hay fever, asthma).

**Ulocladium**: Found outdoors in soil, dung paint, grasses, fibers, wood, decaying plant material, paper and textiles. Indoors it is found in gypsum board, paper, paint, tapestries, jute and other straw materials. Ulocladium has a high water requirement. As an allergen it is major with type I allergies (hay fever, asthma) and it cross reacts with Alternaria, adding to the burden of Alternaria –sensitive patients.

**Wallemia:** Found outdoors in hay and soil. Found indoors in jams, salted fish, mattresses, textiles and wood in crawl spaces. It is a Type I (hay fever and asthma) allergen.

**Zygomycetes:** Found outdoors in decaying plant and animal matter. Found indoors in fruits and vegetables. It is a Type1 (hay fever, asthma) and Type III (hypersensitivity) allergen. Many zygomycetes are extremely fast growing and can inhibit other fungi when competing for food and space.