

August 27, 2020

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

Re: Microbial Analytical Results from: Somerset High School; 625 County St; Somerset, MA

H2O Laboratory Number:03539

Dear Joseph Cooney,

We at H2O EnviroComp would like to thank you for your recent business. Samples were received on 8/24/2020 from a job located at Somerset High School; 625 County St; Somerset, MA. The final report is enclosed for the following samples: 1-28.

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 G			nviroComp Quality Report ıple Report	West Denr	School Street P.O. Box 444 iis, MA 02670 508.737.4289			
Company:	MAC Services,	LLC Inspec	ctor:	Joseph Cooney	Date Sampled:	8/21/2020			
Contact:	Joseph Coone	y Projec	et Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020			
Address:	21 Mill Pond D	rive Projec	t Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020			
City, ST, Zip:	Rochester, MA	02770 Lab N	0:	03539	Date Reported:	8/26/2020			
Phone:	508-789-0983				Report Status:	Version 1			
	Mold Identification by Samples								
Sample N Client Sample Magnification	e ID:	03539-01 4112126 600 X		Sample Medium: Sampling Rate: Total Liters:	15L/Min for	o-D 5 Minutes			

	Count/		D	Count/
Raw Count		Type:	Raw Count	Cubic Meter
1	42	Smuts	ND	ND
5	211	Rusts	ND	ND
ND	ND	Spegazzinia	ND	ND
1	42	Stachybotrys	ND	ND
ND	ND	Ulocladium	ND	ND
ND	ND	Nigrospora	ND	ND
ND	ND	Un-ID Spore	ND	ND
ND	ND	Pollen	ND	ND
ND	ND	Hyphal Frags	ND	ND
ND	ND	Insect Frags	ND	ND
ND	ND			
ND	ND			
		Sample Data Com	ments:	
o 4 (High):	1			
verloaded):	1			
al Raw Count:	7			
Cubic Meter):	42			
er of Traverses:	12			
ubic Meter):	295			
	ND 1 ND Soft (High): verloaded): gal Raw Count: Cubic Meter): per of Traverses: Cubic Meter): Not Applicable None Detected	Raw CountCubic Meter1425211NDND142ND1yal Raw Count:7Cubic Meter):42yer of Traverses:12Cubic Meter):295Not Applicable	Cubic MeterType:142Smuts5211RustsNDNDSpegazzinia142StachybotrysNDNDUlocladiumNDNDUlocladiumNDNDNDNDNDIngrosporaNDNDNDNDNDPollenNDNDHyphal FragsNDNDInsect FragsNDNDNDNDNDNDNDND1verloaded):1gal Raw Count:7Cubic Meter):42ver of Traverses:12Not ApplicableNone Detected	Cubic Raw CountCubic MeterRaw Count142SmutsND5211RustsNDNDNDSpegazziniaNDNDNDSpegazziniaND142StachybotrysNDNDNDUlocladiumNDNDNDUlocladiumNDNDNDNDNDNDNDNDNDNDNDPollenNDNDNDHyphal FragsNDNDNDNDInsect FragsNDNDNDNDSample Data Comments:co 4 (High):11yal Raw Count:7Cubic Meter):42cubic Meter):295Not ApplicableNot ApplicableNone DetectedNot ApplicableNot ApplicableNot Applicable

* = Type detected observed in clumps

Library @ Center

EnviroComp	H2O EnviroComp Indoor Air Quality Report Air Sample Report					/est Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, LLC	Inspector:	Joseph Co	oney	Date Sa	mpled:	8/21/2020
Contact:	Joseph Cooney	Project Name:		High School; y St; Somerset,	Date Re	ceived:	8/24/2020
Address:	21 Mill Pond Drive	Project Notes:	Project Nu 211	mber: 2020-	Date An	alyzed:	8/26/2020
City, ST, Zip:	Rochester, MA 02770	Lab No:	03539		Date Re	ported:	8/26/2020
Phone:	508-789-0983				Report	Status:	Version 1
		Mold Identifica	ation by Sa	mples			
Sample No Client Sample Magnification	e ID: 411212 : 600 X	39-02	Sa	ample Medium Sampling Rate Total Liters Location	15L/Min	Allergenc for 75 loors @ t Entranc	5 Minutes he Front
Sample Data:			Count/				Count/
			Cubic			Raw	Cubic
	Туре:	Raw Count	Meter	Туре:		Count	Meter
Ascospores, N		73	3074	Smuts		6	253
	, Non-specified	227	9558	Rusts		ND	ND
Aspergillus/Pe	niciliium-Like	6	253	Spegazzinia		ND	ND
Cladosporium Chaetomium		153 ND	6442 ND	Stachybotrys Ulocladium		ND 1	ND 42
Ganoderma		2	84	Coprinus		ND	ND
Pithomyces		1	42	Un-ID Spore		ND	ND
Alternaria		ND	ND	Pollen		ND	ND
Cercospora-lik	e	ND	ND	Hyphal Frags		ND	ND
Curvularia	-	ND	ND	Insect Frags		ND	ND
Epicoccum		ND	ND				
Memnoniella		ND	ND				
				Sample Data	Commen	its:	
	t Prevalence; 1 (Low) to		1				
Background D	ensity; 1 (Low) to 5 (Ov		2	_			
Applet		al Raw Count:	469 42				
Analyt	ical Sensitivity (Spore/C	er of Traverses:	42				
Total Fu	Ingal Count (Spore/Co		19747				
Reporting Note		Not Applicable None Detected					
	<u>.</u>	pe detected obse	rved in clum	ıps			
		-		-			
Analyzed by: Analyzed Date	Steven Grevelis : 8/26/2020					Page 2 (of 28

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, LL	_C Inspector:	Joseph Cooney	Date Sampled:	8/21/2020				
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020				
Address:	21 Mill Pond Drive	e Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020				
City, ST, Zip:	Rochester, MA 02	2770 Lab No:	03539	Date Reported:	8/26/2020				
Phone:	508-789-0983			Report Status:	Version 1				
	Mold Identification by Samples								
Sample N Client Sample Magnification	e ID: 41	3539-03 12130 10 X	Sample Medium Sampling Rate Total Liters	15L/Min for	o-D 5 Minutes				

		Count/			Count/
Turnor	Daw Count	Cubic Meter	Tura	Raw Count	Cubic Meter
Type: Ascospores, Non-specified	Raw Count ND	ND	Type: Smuts	ND	ND
Basidiospores, Non-specified	5	211	Rusts	ND	ND
Aspergillus/Penicillium-Like	ND	ND	Spegazzinia	ND	ND
Cladosporium	ND	ND	Stachybotrys	ND	ND
Chaetomium	ND	ND	Ulocladium	ND	ND
	ND				ND
Ganoderma		ND	Nigrospora	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 Comme	nts:	
Skin Fragment Prevalence; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (Low) to 5 (Ov		1			
	al Raw Count:	5			
Analytical Sensitivity (Spore/C		42			
Numbe	er of Traverses:	12			
Total Fungal Count (Spore/Cubic Meter):		211			
	Not Applicable Jone Detected				

 \star = Type detected observed in clumps

Analyzed by: Steven Grevelis Analyzed Date: 8/26/2020 Location: Room 301 @ NE Window

Sill

EnviroComp	H2O EnviroComp Indoor Air Quality Report Air Sample Report			West Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, LI	LC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020
Address:	21 Mill Pond Drive	e Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020
City, ST, Zip:	Rochester, MA 02	2770 Lab No:	03539	Date Reported:	8/26/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identific	ation by Samples		
Sample N Client Sample Magnification	e ID: 41	3539-04 115599 00 X	Sample Medium Sampling Rate Total Liters	15L/Min for	co-D 5 Minutes

·		Count/			Count/
Туре:	Raw Coun	t Cubic	Туре:	Raw Count	Cubic Meter
Ascospores, Non-specif		42	Smuts	ND	ND
Basidiospores, Non-spe		253	Rusts	ND	ND
Aspergillus/Penicillium-I	_ike ND	ND	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 Com	ments:	
Skin Fragment Prevaler	nce; 1 (Low) to 4 (High):	1			
Background Density; 1 ((Low) to 5 (Overloaded):	1			
	Total Fungal Raw Count:	7			
Analytical Sensi	itivity (Spore/Cubic Meter):	42			
	Number of Traverses	: 12			
Total Fungal Co	unt (Spore/Cubic Meter):	295			
Reporting Notes:	N/A = Not Applicable ND = None Detected				
	*				

* = Type detected observed in clumps

Location: Room 310A @ Interior Side

Sinks

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	24 School Stree P.O. Box 44 West Dennis, MA 0267 Phone 508.737.428					
Company:	MAC Services, LL	C Inspector:	Joseph Cooney	Date Sampled:	8/21/2020				
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020				
Address:	21 Mill Pond Drive	Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020				
City, ST, Zip:	Rochester, MA 027	770 Lab No:	03539	Date Reported:	8/26/2020				
Phone:	508-789-0983			Report Status:	Version 1				
	Mold Identification by Samples								
Sample N Client Sample Magnification	e ID: 411	539-05 5594) x	Sample Medium Sampling Rate Total Liters	15L/Min for	o-D 5 Minutes				

		Count/ Cubic		Raw	Count/ Cubic
Type:	Raw Cour		Туре:	Count	Meter
Ascospores, Non-specif	ied 1	42	Smuts	ND	ND
Basidiospores, Non-spe	cified 6	253	Rusts	ND	ND
Aspergillus/Penicillium-I	_ike ND	ND	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 Com	iments:	
Skin Fragment Prevaler	nce; 1 (Low) to 4 (High):	1			
Background Density; 1	Low) to 5 (Overloaded):	1			
	Total Fungal Raw Count:	7			
Analytical Sens	tivity (Spore/Cubic Meter):	42			
•	Number of Traverse	s: 12			
Total Fungal Co	unt (Spore/Cubic Meter):	295			
Reporting Notes:	N/A = Not Applicable ND = None Detected				
	*				

* = Type detected observed in clumps

Location: Room 328 @ Window Sill

(Front)

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	School Street P.O. Box 444 his, MA 02670 508.737.4289	
Company:	MAC Services, I	LLC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020
Address:	21 Mill Pond Dri	ive Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020
City, ST, Zip:	Rochester, MA (02770 Lab No:	03539	Date Reported:	8/26/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identific	ation by Samples		
Sample N Client Sample Magnification	e ID: 4	03539-06 4115615 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-specified	2	84	Smuts	ND	ND
Basidiospores, Non-specified	21	884	Rusts	ND	ND
Aspergillus/Penicillium-Like	1	42	Spegazzinia	ND	ND
Cladosporium	4	168	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 Comme	ents:	
Skin Fragment Prevalence; 1 (Low) to	4 (High):	1			
Background Density; 1 (Low) to 5 (Ov	erloaded):	1]		
Total Funga	al Raw Count:	29			
Analytical Sensitivity (Spore/C	ubic Meter):	42			
Numbe	er of Traverses:	12			
Total Fungal Count (Spore/Cu	ubic Meter):	1221			
	Not Applicable Ione Detected				

 \star = Type detected observed in clumps

Location: Water Fountain/Bathroom

Area

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	School Street P.O. Box 444 his, MA 02670 508.737.4289	
Company:	MAC Services, LI	LC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020
Address:	21 Mill Pond Drive	e Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020
City, ST, Zip:	Rochester, MA 02	2770 Lab No:	03539	Date Reported:	8/26/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identific	ation by Samples		
Sample N Client Sample Magnification	e ID: 41	3539-07 15605 20 x	Sample Medium Sampling Rate Total Liters	15L/Min for	o-D 5 Minutes

		Count/		David	Count/
Туре:	Raw Count	Cubic Meter	Туре:	Raw Count	Cubic Meter
Ascospores, Non-specified	ND	ND	Smuts	ND	ND
Basidiospores, Non-specified	3	126	Rusts	ND	ND
Aspergillus/Penicillium-Like	ND	ND	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 Com	ments:	
Skin Fragment Prevalence; 1 (Low)	to 4 (High):	1			
Background Density; 1 (Low) to 5 (C	verloaded):	1			
Total Fun	gal Raw Count:	3			
Analytical Sensitivity (Spore	Cubic Meter):	42			
Numl	per of Traverses:	12			
Total Fungal Count (Spore/	Cubic Meter):	126			
	Not Applicable				
	None Detected				

* = Type detected observed in clumps

Location: Room 229 @ Rear Window

Sill

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services, LI	LC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Driv	e Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 02	2770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identifica	ation by Samples			
Sample N Client Sample Magnification	e ID: 41	3539-08 115610 00 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	cified	3	126	Rusts	ND	ND
Aspergillus/Penicillium-L	_ike	ND	ND	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 Com	iments:	
Skin Fragment Prevaler	nce; 1 (Low) to	4 (High):	1			
Background Density; 1 (Low) to 5 (Ove	erloaded):	1			
	Total Funga	I Raw Count:	3			
Analytical Sensi	itivity (Spore/C	ubic Meter):	42			
	Numbe	r of Traverses:	12			
Total Fungal Co	unt (Spore/Cu	bic Meter):	126			
Reporting Notes:		lot Applicable one Detected				
	* -					

* = Type detected observed in clumps

Location: Room 203A Middle Window

Sill

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services, LLC	C Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Drive	Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 027	70 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 411	539-09 5614 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	4	168	Smuts	ND	ND
Basidiospores, Non-specified	41	1726	Rusts	ND	ND
Aspergillus/Penicillium-Like	3	126	Spegazzinia	ND	ND
Cladosporium	2	84	Stachybotrys	ND	ND
Chaetomium	ND	ND	Ulocladium	ND	ND
Ganoderma	ND	ND	Nigrospora	ND	ND
Pithomyces	1	42	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 Comr	nents:	
Skin Fragment Prevalence; 1 (Low) t	o 4 (High):	1			
Background Density; 1 (Low) to 5 (O		1			
Total Fung	al Raw Count:	51			
Analytical Sensitivity (Spore/	Cubic Meter):	42			
Numb	er of Traverses:	12			
Total Fungal Count (Spore/C	ubic Meter):	2147			
	Not Applicable None Detected				

* = Type detected observed in clumps

Analyzed by: Steven Grevelis Analyzed Date: 8/26/2020 Room 208 @ Sinks on

Exterior Side

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,	LLC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Dri	ive Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA	02770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID:	03539-10 4115604 600 X	Sample Medium Sampling Rate Total Liters:	15L/Min for	o-D 5 Minutes	

Location:

Sample Data:

-			Count/		Dow	Count/
_			Cubic		Raw	Cubic
Туре:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specif	ied	ND	ND	Smuts	ND	ND
Basidiospores, Non-spe		17	716	Rusts	ND	ND
Aspergillus/Penicillium-L	ike	ND	ND	Spegazzinia	ND	ND
Cladosporium		18	758	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	1		
				Sample Data Com	ments:	
Skin Fragment Prevalen	ce; 1 (Low) to	4 (High):	1			
Background Density; 1 (Low) to 5 (Ove	erloaded):	1			
	Total Funga	I Raw Count:	35			
Analytical Sensi	tivity (Spore/C	ubic Meter):	42			
-		of Traverses:	12			
Total Fungal Cou	unt (Spore/Cu	ibic Meter):	1474			
Reporting Notes:	N/A = N	Not Applicable				
		lone Detected				
	+					

* = Type detected observed in clumps

Analyzed by: Steven Grevelis Analyzed Date: 8/26/2020

Room 216 @ Center

EnviroComp)	I	Indoor Air (nviroComp Quality Report Iple Report	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services,	LLC Inspec	ctor:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Coone	y Projec	t Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond D	rive Projec	t Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA	02770 Lab No	o:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983				Report Status:	Version 1	
		Mold	Identifica	tion by Samples			
Sample N Client Sample Magnification	e ID:	03539-11 4115616 600 X		Sample Medium: Sampling Rate: Total Liters:	15L/Min for	o-D 5 Minutes	

		Count/		D	Count/
Туре:	Raw Cou	Cubic Int Meter	Туре:	Raw Count	Cubic Meter
Ascospores, Non-speci		211	Smuts	ND	ND
Basidiospores, Non-spe		1011	Rusts	ND	ND
Aspergillus/Penicillium-	Like 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	1		
			Sample Data Com	ments:	
Skin Fragment Prevaler	nce; 1 (Low) to 4 (High):	1			
Background Density; 1	(Low) to 5 (Overloaded):	1			
	Total Fungal Raw Coun	t: 34			
Analytical Sens	itivity (Spore/Cubic Meter):	42			
	Number of Traverse	es: 12			
Total Fungal Co	unt (Spore/Cubic Meter):	1432			
Reporting Notes:	N/A = Not Applicab ND = None Detecte				
	*				

* = Type detected observed in clumps

Location: Auditorium on Stage Next to

Stained Carpet

EnviroComp)	Indoor Air	nviroComp 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:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Driv	ve Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 0	2770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 4	03539-12 115611 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	1	42
Basidiospores, Non-spe		2	84	Rusts	ND	ND
Aspergillus/Penicillium-L	_ike	ND	ND	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 Prevaler	nce; 1 (Low) to	4 (High):	1			
Background Density; 1 (Low) to 5 (Ove	erloaded):	1			
	Total Funga	I Raw Count:	4			
Analytical Sensi	itivity (Spore/Cu	ubic Meter):	42			
	Number	r of Traverses:	12			
Total Fungal Co	unt (Spore/Cu	bic Meter):	168			
Reporting Notes:		lot Applicable one Detected				

* = Type detected observed in clumps

Location: Upper Level Gym Track @ Front Window Sill

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services, I	LLC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Dri	ive Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA (02770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 4	03539-13 4115600 600 x	Sample Medium Sampling Rate Total Liters:	15L/Min for	o-D 5 Minutes	

Location:

Cable TV Studio

Sample Data:

•		Count/			Count/
		Cubic		Raw	Cubic
Туре:	Raw Co	unt Meter	Туре:	Count	Meter
Ascospores, Non-specif	ied 3	126	Smuts	ND	ND
Basidiospores, Non-spe	cified 4	168	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 Prevaler	ice; 1 (Low) to 4 (High):	1			
Background Density; 1 (Low) to 5 (Overloaded):	1			
	Total Fungal Raw Cour	nt: 12			
Analytical Sensi	tivity (Spore/Cubic Meter)	: 42			
	Number of Travers	ses: 12			
Total Fungal Cor	unt (Spore/Cubic Meter)	: 505			
Reporting Notes:	N/A = Not Applicat	ole			
	ND = None Detect				
	ц				

 \star = Type detected observed in clumps

Analyzed by: Steven Grevelis Analyzed Date: 8/26/2020

EnviroComp		H2O EnviroComp Indoor Air Quality Report Air Sample Report				'est Denr	School Street P.O. Box 444 his, MA 02670 508.737.4289
Company:	MAC Services, LLC	Inspector:	Joseph Co	oney	Date Sa	mpled:	8/21/2020
Contact:	Joseph Cooney	Project Name:		High School; y St; Somerset,	Date Re	ceived:	8/24/2020
Address:	21 Mill Pond Drive	Project Notes:	Project Nu 211	mber: 2020-	Date An	alyzed:	8/26/2020
City, ST, Zip:	Rochester, MA 02770	Lab No:	03539		Date Re	ported:	8/26/2020
Phone:	508-789-0983				Report S	Status:	Version 1
		Mold Identifica	ation by Sa	mples			
Sample N Client Sample Magnification Sample Data:	e ID: 411559 1: 600 X	39-14 96		imple Medium Sampling Rate Total Liters Location	15L/Min Water	75 Fountain	5 Minutes /Bathroom ' Studio on
			Count/				Count/
			Cubic			Raw	Cubic
	Туре:	Raw Count	Meter	Туре:		Count	Meter
Ascospores, N		13	547	Smuts		ND	ND
	, Non-specified	77	3242	Rusts		ND	ND
Aspergillus/Pe	nicillium-Like	ND	ND	Spegazzinia		ND	ND
Cladosporium		45	1895	Stachybotrys		ND	ND
Chaetomium		ND	ND	Ulocladium		ND	ND
Ganoderma		2	84	Nigrospora		ND ND	ND
Pithomyces Alternaria		1 ND	42 ND	Un-ID Spore Pollen		ND	ND ND
Cercospora-lik	Δ	ND	ND	Hyphal Frags		ND	ND
Curvularia		1	42	Insect Frags		ND	ND
Epicoccum		ND	ND				
Oidium		ND	ND				
		•		Sample Data	Commen	ts:	
	t Prevalence; 1 (Low) to		1				
Background D	ensity; 1 (Low) to 5 (Ov		1	1			
.	-	al Raw Count:	139				
Analyt	ical Sensitivity (Spore/C		42				
Total Fu	Ingal Count (Spore/Ci	er of Traverses:	12 5853				
Reporting Note	es: N/A = N ND = N	Not Applicable None Detected pe detected obse		ine			
	= 1 y	pe delected obse		iha			
Analyzed by: Analyzed Date	Steven Grevelis : 8/26/2020					Page 14	of 28

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, LLC	Inspector:	Joseph Cooney	Date Sampled:	8/21/2020
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020
Address:	21 Mill Pond Drive	Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020
City, ST, Zip:	Rochester, MA 027	70 Lab No:	03539	Date Reported:	8/26/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identific	ation by Samples		
Sample N Client Sample Magnification	e ID: 4115		Sample Medium Sampling Rate Total Liters	15L/Min for	o-D 5 Minutes

		Count/		_	Count/
Туре:	Raw Count	Cubic Meter	Туре:	Raw Count	Cubic Meter
Ascospores, Non-specified	1	42	Smuts	ND	ND
Basidiospores, Non-specified	10	421	Rusts	ND	ND
Aspergillus/Penicillium-Like	1	42	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 Comn	nents:	
Skin Fragment Prevalence; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (Low) to 5 (Ov	erloaded):	1			
Total Funga	al Raw Count:	17			
Analytical Sensitivity (Spore/C	Cubic Meter):	42			
Numbe	er of Traverses:	12			
Total Fungal Count (Spore/Cu	ubic Meter):	716			
	Not Applicable Jone Detected				

 \star = Type detected observed in clumps

Room 124A @ Rear

Window Sill

EnviroComp)		Indoor Air	nviroComp Quality Report nple Report	West Denr	School Street P.O. Box 444 iis, MA 02670 508.737.4289
Company:	MAC Services,	LLC Insp	pector:	Joseph Cooney	Date Sampled:	8/21/2020
Contact:	Joseph Coone	y Proj	ect Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020
Address:	21 Mill Pond D	rive Proj	ect Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020
City, ST, Zip:	Rochester, MA	02770 Lab	No:	03539	Date Reported:	8/26/2020
Phone:	508-789-0983				Report Status:	Version 1
		Мо	old Identifica	ation by Samples		
Sample N Client Sample Magnification	e ID:	03539-1 4115601 600 X	6	Sample Medium Sampling Rate Total Liters:	15L/Min for	o-D 5 Minutes

600 X

75 **Total Liters:** Location: 1st Floor East End Entrance

Sample Data:

			Count/		_	Count/
Turner		Davis Occurst	Cubic	Turner	Raw	Cubic
Туре:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specifi		2	84	Smuts	ND	ND
Basidiospores, Non-spec	cified	34	1432	Rusts	ND	ND
Aspergillus/Penicillium-L	ike	3	126	Spegazzinia	ND	ND
Cladosporium		6	253	Stachybotrys	ND	ND
Chaetomium		ND	ND	Ulocladium	ND	ND
Ganoderma		2	84	Nigrospora	ND	ND
Pithomyces		ND	ND	Un-ID Spore	ND	ND
Alternaria		2	84	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 (I	_ow) to 5 (Ov	erloaded):	1			
	Total Funga	al Raw Count:	49			
Analytical Sensit	ivity (Spore/C	ubic Meter):	42			
-	Numbe	er of Traverses:	12			
Total Fungal Cou	Int (Spore/Cu	ubic Meter):	2063			
Reporting Notes:	N/A = 1	Not Applicable				
		lone Detected				
	н <u>с</u> – Г					

 \star = Type detected observed in clumps

EnviroComp)	Indoor Air	nviroComp 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:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Driv	ve Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 0	2770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 4)3539-17 115609 500 X	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-specified	4	168	Smuts	1	42
Basidiospores, Non-specified	7	295	Rusts	ND	ND
Aspergillus/Penicillium-Like	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 Comm	ents:	
Skin Fragment Prevalence; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (Low) to 5 (Ov	erloaded):	1			
Total Funga	al Raw Count:	17			
Analytical Sensitivity (Spore/C	Cubic Meter):	42			
Numbe	er of Traverses:	12			
Total Fungal Count (Spore/Cu	ubic Meter):	716			
	Not Applicable Jone Detected				

* = Type detected observed in clumps

Location: Room 114 @ Sink Next to

Room 112 Entrance

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,	LLC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Dri	ive Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA	02770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID:	03539-18 4115595 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-specified	ND	ND	Smuts	ND	ND
Basidiospores, Non-specified	2	84	Rusts	ND	ND
Aspergillus/Penicillium-Like	ND	ND	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 Commo	ents:	
Skin Fragment Prevalence; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (Low) to 5 (Ov	erloaded):	2			
Total Funga	al Raw Count:	5			
Analytical Sensitivity (Spore/C	Cubic Meter):	42			
Numbe	er of Traverses:	12			
Total Fungal Count (Spore/Cu	ubic Meter):	211			
	Not Applicable None Detected				

 \star = Type detected observed in clumps

Location: 1st Floor Office Area in

Kitchen

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:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Driv	ve Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 0	2770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 4	03539-19 115593 600 X	Sample Medium Sampling Rate Total Liters	15L/Min for	5 Minutes	

		Count/			Count/
Type:	Raw Count	Cubic Meter	Туре:	Raw Count	Cubic Meter
Ascospores, Non-specified		42	Smuts	ND	ND
Basidiospores, Non-specifie	ed 5	211	Rusts	ND	ND
Aspergillus/Penicillium-Like	ND	ND	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			
Öidium	ND	ND			
	·		Sample Data Com	ments:	
Skin Fragment Prevalence;	1 (Low) to 4 (High):	1			
Background Density; 1 (Low	w) to 5 (Overloaded):	1			
T	otal Fungal Raw Count:	6			
Analytical Sensitivit	y (Spore/Cubic Meter):	42			
-	Number of Traverses:	12			
Total Fungal Count	(Spore/Cubic Meter):	253			
Reporting Notes:	N/A = Not Applicable ND = None Detected				
	* Turne alate stard share				

* = Type detected observed in clumps

Location: 1st Floor Distance Learning

Room 127A

EnviroComp)	Indoor Air	nviroComp 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:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Driv	Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 0	2770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 4)3539-20 115613 00 X	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes	

		Count/		-	Count/
Туре:	Raw Count	Cubic Meter	Туре:	Raw Count	Cubic Meter
Ascospores, Non-specified	ND	ND	Smuts	ND	ND
Basidiospores, Non-specified	ND	ND	Rusts	ND	ND
Aspergillus/Penicillium-Like	ND	ND	Spegazzinia	ND	ND
Cladosporium	ND	ND	Stachybotrys	ND	ND
Chaetomium	ND	ND	Ulocladium	ND	ND
Ganoderma	ND	ND	Nigrospora	ND	ND
Pithomyces	1	42	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 Comm	nents:	
Skin Fragment Prevalence; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (Low) to 5 (Ov	erloaded):	2			
Total Funga	al Raw Count:	1			
Analytical Sensitivity (Spore/C	Cubic Meter):	42			
Numbe	er of Traverses:	12	-		
Total Fungal Count (Spore/Co	ubic Meter):	42			
	Not Applicable None Detected				

* = Type detected observed in clumps

Location: Room 134 @ Window Sill

(Front of Room)

EnviroComp)	Inc	H2O EnviroComp Indoor Air Quality Report Air Sample Report			24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services,	, LLC Inspecto	or: Josep	h Cooney	Date Sampled:	8/21/2020		
Contact:	Joseph Cooney	y Project I		rset High School; county St; Somerset,	Date Received:	8/24/2020		
Address:	21 Mill Pond Di	rive Project I	Notes: Projec 211	ct Number: 2020-	Date Analyzed:	8/26/2020		
City, ST, Zip:	Rochester, MA	02770 Lab No:	03539)	Date Reported:	8/26/2020		
Phone:	508-789-0983				Report Status:	Version 1		
		Mold Ic	lentification b	y Samples				
Sample N Client Sample Magnification	e ID:	03539-21 4115608 600 X		Sample Medium: Sampling Rate: Total Liters:	15L/Min for	o-D 5 Minutes		

			Count/			Count/
Type:		Raw Count	Cubic Meter	Туре:	Raw Count	Cubic Meter
Ascospores, Non-specifi	ied	ND	ND	Smuts	ND	ND
Basidiospores, Non-spe		6	253	Rusts	ND	ND
Aspergillus/Penicillium-L		ND	ND	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 Prevalen	ce; 1 (Low) to 4	(High):	1			
Background Density; 1 (1			
·	Total Fungal	Raw Count:	7			
Analytical Sensi	tivity (Spore/Cul	bic Meter):	42			
-	Number	of Traverses:	12			
Total Fungal Cou	int (Spore/Cub	ic Meter):	295			
Reporting Notes:		ot Applicable ne Detected				
	* -					

* = Type detected observed in clumps

Location: Room 141 on Window Sill

EnviroComp)	Indoor Air	EnviroComp [·] Quality Report mple Report	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services,	LLC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Dri	ive Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA	02770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID:	03539-22 4115598 600 X	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes	

			Count/			Count/
			Cubic		Raw	Cubic
Туре:	= = =	law Count	Meter	Туре:	Count	Meter
Ascospores, Non-specif	ied	ND	ND	Smuts	ND	ND
Basidiospores, Non-spe	cified	1	42	Rusts	ND	ND
Aspergillus/Penicillium-L	ike	ND	ND	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 Comr	nents:	
Skin Fragment Prevalen	ce; 1 (Low) to 4 (H	High):	1			
Background Density; 1 (Low) to 5 (Overloa	aded):	1			
	Total Fungal Ra	w Count:	1			
Analytical Sensi	tivity (Spore/Cubic	Meter):	42			
	Number of	Traverses:	12			
Total Fungal Cou	Int (Spore/Cubic	Meter):	42			
Reporting Notes:	N/A = Not A	Applicable				
	ND = None	• •				

 \star = Type detected observed in clumps

Fitness Gym

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	24 School Stree P.O. Box 44 West Dennis, MA 0267 Phone 508.737.428	
Company:	MAC Services, L	LC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020
Address:	21 Mill Pond Driv	ve Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020
City, ST, Zip:	Rochester, MA 0	2770 Lab No:	03539	Date Reported:	8/26/2020
Phone:	508-789-0983			Report Status:	Version 1
		Mold Identifica	ation by Samples		
Sample N Client Sample Magnification	e ID: 4)3539-23 115607 500 X	Sample Medium Sampling Rate Total Liters:	15L/Min for	o-D 5 Minutes

Location:

Center of Cafeteria

Sample Data:

•			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	35	1474	Rusts	ND	ND
Aspergillus/Penicillium-L	ike	6	253	Spegazzinia	ND	ND
Cladosporium		2	84	Stachybotrys	ND	ND
Chaetomium		ND	ND	Ulocladium	ND	ND
Ganoderma		ND	ND	Nigrospora	ND	ND
Pithomyces		1	42	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	1		
				Sample Data Com	ments:	
Skin Fragment Prevalen	ce; 1 (Low) to	4 (High):	1			
Background Density; 1 (I	_ow) to 5 (Ov	erloaded):	1			
	Total Funga	al Raw Count:	45			
Analytical Sensit	ivity (Spore/C	ubic Meter):	42			
	Numbe	er of Traverses:	12			
Total Fungal Cou	Int (Spore/Cu	ubic Meter):	1895			
Reporting Notes:	N/A = 1	Not Applicable				
		Ione Detected				

 \star = Type detected observed in clumps

Analyzed by: Steven Grevelis Analyzed Date: 8/26/2020

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, LL	C Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Drive	Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 02	770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 41 ⁻	3539-24 15592) x	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes	

Location:

Room 131A

Sample Data:

•			Count/			Count/
			Cubic		Raw	Cubic
Туре:		Raw Count	Meter	Туре:	Count	Meter
Ascospores, Non-specifi	ed	4	168	Smuts	ND	ND
Basidiospores, Non-spec	cified	13	547	Rusts	ND	ND
Aspergillus/Penicillium-L	ike	2	84	Spegazzinia	ND	ND
Cladosporium		4	168	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 (Ove	erloaded):	1			
	Total Funga	I Raw Count:	23			
Analytical Sensit	tivity (Spore/Co	ubic Meter):	42			
	Numbe	r of Traverses:	12			
Total Fungal Cou	int (Spore/Cu	bic Meter):	968			
Reporting Notes:	N/A = N	lot Applicable				
		one Detected				

 \star = 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, LL	C Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Drive	Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 027	770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 411	539-25 5602 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	4	168	Smuts	ND	ND
Basidiospores, Non-spec	cified	32	1347	Rusts	ND	ND
Aspergillus/Penicillium-L	ike	1	42	Spegazzinia	ND	ND
Cladosporium		7	295	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	1		
				Sample Data Com	ments:	
Skin Fragment Prevalen	ce; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (I	_ow) to 5 (Ov	erloaded):	1			
	Total Funga	al Raw Count:	44			
Analytical Sensit	ivity (Spore/C	Subic Meter):	42			
	Numbe	er of Traverses:	12			
Total Fungal Cou	nt (Spore/Cu	ubic Meter):	1853			
Reporting Notes:	N/A = 1	Not Applicable				
		Ione Detected				

 \star = Type detected observed in clumps

Analyzed by: Steven Grevelis Analyzed Date: 8/26/2020 Boy's Team Room

EnviroComp)	Indoor Air	EnviroComp [·] Quality Report mple Report	24 School Street P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services,	LLC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Dr	rive Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA	02770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID:	03539-26 4115597 600 X	Sample Medium Sampling Rate Total Liters	: 15L/Min for	o-D 5 Minutes	

		Count/		_	Count/
Turnet	Dow Count	Cubic Meter	Turnor	Raw Count	Cubic
Type:	Raw Count		Type:		Meter
Ascospores, Non-specified	8	337	Smuts	ND	ND
Basidiospores, Non-specifie		1053	Rusts	ND	ND
Aspergillus/Penicillium-Like	3	126	Spegazzinia	ND	ND
Cladosporium	16	674	Stachybotrys	ND	ND
Chaetomium	ND	ND	Ulocladium	ND	ND
Ganoderma	1	42	Nigrospora	ND	ND
Pithomyces	ND	ND	Un-ID Spore	1	42
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;	1 (Low) to 4 (High):	1			
Background Density; 1 (Low	/) to 5 (Overloaded):	1			
T	otal Fungal Raw Count:	54			
Analytical Sensitivity	(Spore/Cubic Meter):	42			
Number of Traverses:		12			
Total Fungal Count (Spore/Cubic Meter):		2274			
Reporting Notes:	N/A = Not Applicable				
	ND = None Detected				

 \star = Type detected observed in clumps

Kitchen @ Wash Sinks

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	24 School Stree P.O. Box 444 West Dennis, MA 02670 Phone 508.737.4289		
Company:	MAC Services, LL	C Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Drive	Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/26/2020	
City, ST, Zip:	Rochester, MA 02	770 Lab No:	03539	Date Reported:	8/26/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 41	3539-27 15603 0 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	2	84	Smuts	ND	ND
Basidiospores, Non-specified	134	5642	Rusts	ND	ND
Aspergillus/Penicillium-Like	2	84	Spegazzinia	ND	ND
Cladosporium	4	168	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; 1 (Low) to	o 4 (High):	1			
Background Density; 1 (Low) to 5 (Ov	erloaded):	1			
Total Funga	al Raw Count:	142			
Analytical Sensitivity (Spore/C	Subic Meter):	42			
Number of Traverses:		12			
Total Fungal Count (Spore/Cubic Meter):		5979			
Reporting Notes: N/A = N	Not Applicable				
	Ione Detected				

 \star = Type detected observed in clumps

Girls PE Room

EnviroComp)	Indoor Air	nviroComp Quality Report nple Report	24 School Stree P.O. Box 44 West Dennis, MA 0267 Phone 508.737.428		
Company:	MAC Services, I	LC Inspector:	Joseph Cooney	Date Sampled:	8/21/2020	
Contact:	Joseph Cooney	Project Name:	Somerset High School; 625 County St; Somerset, MA	Date Received:	8/24/2020	
Address:	21 Mill Pond Driv	ve Project Notes:	Project Number: 2020- 211	Date Analyzed:	8/27/2020	
City, ST, Zip:	Rochester, MA (2770 Lab No:	03539	Date Reported:	8/27/2020	
Phone:	508-789-0983			Report Status:	Version 1	
		Mold Identific	ation by Samples			
Sample N Client Sample Magnification	e ID: 4	03539-28 115612 500 X	Sample Medium Sampling Rate Total Liters:	15L/Min for	o-D 5 Minutes	

Location:

Trainer's Room

Sample Data:

		Count/			Count/		
		Cubic		Raw	Cubic		
Туре:	Raw Count	Meter	Туре:	Count	Meter		
Ascospores, Non-specified	ND	ND	Smuts	ND	ND		
Basidiospores, Non-specified	2	84	Rusts	ND	ND		
Aspergillus/Penicillium-Like	ND	ND	Spegazzinia	ND	ND		
Cladosporium	4	168	Stachybotrys	ND	ND		
Chaetomium	ND	ND	Ulocladium	ND	ND		
Ganoderma	ND	ND	Nigrospora	ND	ND		
Pithomyces	ND	ND	Un-ID Spore	1	42		
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 Comn	nents:			
Skin Fragment Prevalence; 1 (Lov	/) to 4 (High):	1	"Un-ID" spore type is Fusarium.				
Background Density; 1 (Low) to 5	(Overloaded):	1					
Total Fu	Ingal Raw Count:	7					
Analytical Sensitivity (Spo	42						
Nu	mber of Traverses:	12					
Total Fungal Count (Spore/Cubic Meter):							
	 Not Applicable None Detected 						

 \star = Type detected observed in clumps

EnviroComp	H2O EnviroCo 24 School Str P.O. Box 44 West Dennis, MA	eet 4			10	Microb	ial Chain of Custody Version 1.0 4/9/2012
Client: MAC Service	es, LLCPhone:508-789-0983C	Dient Address	21 Mill Po	nd Drive	Roche	ster, MA	
	merset High School		umber:20		1		
		wn: Somerse			State: MA	_ Zip Code_	
	-ZO Project Manager: Joseph Cooney	Emall Address					H2O Lab ID: 03539
Turn Around Time:	Rush 24 Hour 48 Hour 3 Day 5 Day E	Email 2:	Sample	N	/olume Da	ata	
SAMPLE ID	LOCATION		Type (Air, Tape Lift, Bulk)	Rate (I/min)	Time (min)	Volume	Sample Medla (Alr-O- Cell, Allergenco-D, etc)
4/12126	Library @ center		Air	15	5	75	Allergenco-D
4/12127	Outdoors & the front entry.	nce.	Air	15	5	75	Allergenco-D
4/12130	Room 301 @ NE window Si	:((Air	15	5	75	Allergenco-D
41155 99			Air	15	5	75	Allergenco-D
4115594	Room 328 & window sill		Air	15	5	75	Allergenco-D
4/15615	WAter fouritain / Both room	Avert	Air	15	5	75	Allergenco-D
4115605	Room 229 p retrindow		Air	15	5	75	Allergenco-D
4115610	Room 203A middle winde		Air	15	5	75	Allergenco-D
4115614	Room 208 Q sinks on exte	erivride side	Air	15	5	75	Allergenco-D
4115604	, , , , , , , , , , , , , , , , , , , ,		Air	15	5	75	Allergenco-D
Relinquished by:	MI	Date/Time: Date/Time: <u>8//</u>	24/2020) VIA	USPS	Page	● 1 of 🏂

EnviroComp	H2O EnviroCo 24 School Stre P.O. Box 444 West Dennis, MA	et 1			×	Micro	bial Chain of Custody Version 1.0 4/9/2012
Client: MAC Serv	ices, LLC Phone: 508-789-0983 C	lient Addres	s:21 Mill Po	ond Drive	Roche	ester, MA	
Project Name:	somerset High School		Number:_20		,		
Proj. Address:	GAE TAUL ET	n: Somers			State: MA	Zip Code	1
Sampled By: Josep Date: 3 -2 Turn Around Time:	CO Project Manager: Joseph Cooney	nall Addres nall 1: jcoor nail 2:	ss(es) to Se ney@macm	nd Repo i oldandmo	r t to: ore.com		H2O Lab ID: 03539
			Sample		Volume Da	ata	
SAMPLE ID	LOCATION		Type (Air, Tape Lift, Bulk)	Rate (I/mln)	Time (mln)	Volume	Sample Media (Air-O- Cell, Allergenco-D, etc)
4115616	Auditorium on strige next to s	striked	Air	15	5	75	Allergenco-D
4115611	Upper Level GMM track @ fi	rowt	Air	15	5	75	Allergenco-D
4115600	Zable TV Studio		Air	15	5	75	Allergenco-D
4115596	Water Foundain/Bathroom AN next TO TV Studio on 157 F.	e4 Toor	Air	15	5	75	Allergenco-D
411 5606			Air	15	5	75	Allergenco-D
4115601	1st Floor Eastend entrances	, T	Air	15	5	75	Allergenco-D
411 5609	Room 114 @ Sinll next-to Room 10 entrance.	2	Air	15	5	75	Allergenco-D
4115595	1st Floor office AveA. in Ki	~	Air	15	5	75	Allergenco-D
4113593	1st Flour - Distance Learning 100	27A	Air	15	5	75	Allergenco-D
4115613	Room 134 & window sill (front	voun)	Air	15	5	75	Allergenco-D
Relinquished by:	Date Date	e/Time:				Page	2 of Z
Received by:A	tim And Date	e/Time: 8/2	24/2020 V	/IA US	PS		_

EnviroComp	H2O Enviro 24 School P.O. Box West Dennis,	Street	*			Microl	olal Chain of Custody Version 1.0 4/9/2012
Client: MAC Servic		Client Addres	s:21 Mill Po	ond Drive	Roche	ester, MA	
Project Name:	iomerset High Schoul	Project	Number:_20	020.211	,		
Proj. Address:	585 County St.	Town: Somers	et		State: MA	Zip Code	-
Sampled By: Joseph Date: 8-21 Turn Around Time: 1	- ZO Project Manager: Joseph Cooney	Email Addres					H2O Lab ID: 03539
Tutti Around Time, s		Email 2:	Sample		Volume D	ata	
SAMPLE ID	LOCATION		Type (Air, Tape Lift, Bulk)	Rate (I/min)	Time (mln)	Volume	Sample Media (Air-O- Cell, Allergenco-D, etc)
411 5608	100m 141 on window sill		Air	15	5	75	Allergenco-D
411 5598	Fitness Gym		Air	15	5	75	Allergenco-D
4115607	Center of GAfetAria.		Air	15	5	75	Allergenco-D
4115592	Room 13/A		Air	15	5	75	Allergenco-D
4115602	BOUS TRAM ROOM		Air	15	5	75	Allergenco-D
4115597	Kitchen e wash sinks		Air	15	5	75	Allergenco-D
4115603	Girls PE room		Air	15	5	75	Allergenco-D
4113612	Trainers Room		Air	15	5	75	Allergenco-D
			Air	15	5	75	Allergenco-D
			Air	15	5	75	Allergenco-D
	tern Anhi	Date/Time: Date/Time: 8/	/24/2020	VIA U	SPS	Page	3 of 3

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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.