The following samples were collected from Williamson Hall rooms:

- 310 called 2578 5599
- 311B called 2578 5683
- 314 called 2578 5687
- Outside control called 2578
 5567

CHAIN OF CUSTODY www.EMLabPK.com



New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984

Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027 * (800) 651-4802

SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (866) 888-6653

W	eather	Fog	Rain	Snow	Wind	Clear
	None					
0	Light					\-/
evel	Moderate					M
_	Heavy					

REQUESTED SERVICES

BioCassette™, Andersen, SAS, Swab.

Water, Bulk, Dust, Soil, Contact Plates

Other Requests

Non-Culturable

Spore

Trap

Tape

Swab

Bulk

(Use checkboxes below)

Culturable

Contact: Chart Towns Special Instructions: Phone: Project ID: MARVIND TIME CODES (TAT) Project Description: Project Conut (Geuns ID + 4sb. spp.) Project Description: Project Description: Project Description: Special Instructions: Special Instru												T				1	$\overline{}$		\dashv			$\overline{}$
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Charl Johnson	1	Special Instructions:				1							Bacte	ľ				(NIO)	3	
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Project ID:	MARIWIL						1	r parti	ualitat	irect E	Ol sur	Ol sur	/+ QI	rable /	ance/A	organ	ism):	٠.	rborne PA m		
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Project Zip Code:	99004	Sampling Date & Time:	5/8	SD - Sa	ame Business Day Rush	next business day. Please	Tran	alysis	opic E	pore C	ce Fun	ce Fun	Fungi (Counts	E. coll	ration ((specif	ewage	/SIS – F		
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SAMPLE TYPE CODES RELINQUISHED BY DATE & TIME RECEIVED BY DATE & TIME BC - BioCassette ™ ST - Spore Trap: Zefon, T - Tape D - Dust 5/10 A1S - Anderson Allergenco, Burkard ... Tonwon SW - Swab SO - Soil SAS - Surface Air Sampler P - Potable Water B - Bulk CP - Contact Plate NP - Non-Potable Water O - Other:



Report for:

Mr. Chad Johnson Eastern Washington University EH&S, 002 Martin Hall Cheney, WA 99004

Regarding:

Project: MAR/WIL EML ID: 1926424

Approved by:

Operations Manager Joshua Cox Dates of Analysis: Spore trap analysis: 05-11-2018

Service SOPs: Spore trap analysis (EM-MY-S-1038) AIHA-LAP, LLC accredited service, Lab ID #102297

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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1501 West Knudsen Drive, Phoenix, AZ 85027

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Eastern Washington University

C/O: Mr. Chad Johnson

Re: MAR/WIL

Date of Sampling: 05-08-2018 Date of Receipt: 05-11-2018 Date of Report: 05-11-2018

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	257	1: 8 5599	257	2: 8 5683	257	3: 8 5687	257	4: 8 5567
Comments (see below)		Vone		None		Vone		None
Lab ID-Version‡:	905	9106-1	905	9108-1	905	9110-1	905	9112-1
Analysis Date:	05/1	1/2018	05/1	1/2018	05/1	1/2018	A1500001010	1/2018
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3		spores/m3
Alternaria						орогосии	2	27
Ascospores							16	850
Basidiospores					1	53	9	480
Chaetomium				16				
Cladosporium			_ 1	53			32	1,700
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other colorless								
Penicillium/Aspergillus types†	24							
Pithomyces								
Rusts								
Smuts, Periconia, Myxomycetes	1	13	1	13	2	27	8	110
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		3+		2+	
Hyphal fragments/m3	13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		13	
Skin cells (1-4+)	1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		13		67		80		3,200

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

The analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

[†] The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.



Report for:

Mr. Chad Johnson Eastern Washington University EH&S, 002 Martin Hall Cheney, WA 99004

Regarding:

Project: MAR/WIL EML ID: 1926424

Approved by:

Operations Manager Joshua Cox Dates of Analysis: Spore trap analysis: 05-11-2018

Service SOPs: Spore trap analysis (EM-MY-S-1038) AIHA-LAP, LLC accredited service, Lab ID #102297

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EMLab P&K

1501 West Knudsen Drive, Phoenix, AZ 85027 (800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Eastern Washington University C/O: Mr. Chad Johnson Re: MAR/WIL

Date of Sampling: 05-08-2018 Date of Receipt: 05-11-2018 Date of Report: 05-11-2018

SPODE TRAP REPORT: NON-VIARLE METHODOLOGY

Location:	1:			2: 2578 5683					3:		4: 2578 5567					
	2578 5599								2578 56	87						
Comments (see below)		None				None				None			None			
Lab ID-Version‡:		9059106-1				9059108-1				9059110)-1	9059112-1				
Analysis Date:		05/11/2018				05/11/20	018			05/11/20	18		05/11/2018			
Sample volume (liters)	75			75					75			75				
Background debris (1-4+)††	3+			3+					3+		2+					
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	96	raw ct	Count/m3	DL/m3*	%	raw ct	Count/m3	DL/m3*	96
Hyphal fragments	ı	13	13	n/a												
Pollen													1	13	13	n/a
§ TOTAL FUNGAL SPORES	1	13	n/a	100	2	67	n/a	100	3	80	n/a	100	67	3,200	n/a	100
Altemaria													2	27	13	1
Ascospores		A.											16	850	53	27
Basidiospores									1	53	53	67	9	480	53	15
Chaetomium																
Cladosporium					1	53	53	80					32	1,700	53	54
Penicillium/Aspergillus types						+11										
Pithomyces																
Rusts																
Smuts, Periconia, Myxomycetes	1	13	13	100	1	13	13	20	2	27	13	33	8	110	13	3
Stachybotrys																
Stemphylium																
Torula																
Ulocladium																(

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

The analytical sensitivity/limit of detection is the Count/m^3 divided by the raw count, expressed in Count/m^3.

Aerotech Laboratories, Inc

EMLab ID: 1926424, Page 2 of 2

^{*}The detection limit/limit of detection (DL) per cubic meter (m3) has been rounded to two significant figures to reflect analytical precision.

^{††}Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

[‡] A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x". § Total Fungal Spores has been rounded to two significant figures to reflect analytical precision.



Report for:

Mr. Chad Johnson Eastern Washington University EH&S, 002 Martin Hall Cheney, WA 99004

Regarding:

Project: MAR/WIL EML ID: 1926424

Approved by:

Operations Manager Joshua Cox Dates of Analysis: Spore trap analysis other particles-Supplement: 05-11-2018

Service SOPs: Spore trap analysis other particles-Supplement (EM-MY-S-1038) AIHA-LAP, LLC accredited service, Lab ID #102297

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

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1501 West Knudsen Drive, Phoenix, AZ 85027

(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Eastern Washington University

C/O: Mr. Chad Johnson

Re: MAR/WIL

Date of Sampling: 05-08-2018 Date of Receipt: 05-11-2018 Date of Report: 05-11-2018

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	257	1: 8 5599	257	2: 8 5683	257	3: 8 5687	257	4: 8 5567
Comments (see below)		Vone		None		Vone		None
Lab ID-Version‡:	905	9107-1	905	9109-1	905	9111-1	905	9113-1
	raw ct.	particles/m3						
POLLEN	18							
Eucalyptus (Eucalyptus)								
Grass (Poaceae)								
Mulberry (Morus)								
Oak (Quercus)								
Other	-					U	1	13
Pine (Pinaceae)						18		
Ragweed (Ambrosieae)								=
Sycamore (Platanus)								
OTHER PLANT								
Algae								
Diatoms	3 3 3							
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)			1	13				
OTHER PARTICLES:								
ANIMAL								
Epithelial (skin) cells	34	1,800	30	1,600	33	1,800	8	110
Hair								
Insect parts								
Mites								
FUNGI								
Hyphal fragments	1	13						
NON-BIOLOGICAL					,			
Cellulose fibers	13	170	8	110	11	150	6	80
Glass fiber					2	27		
Starch particles					4	53		
Synthetic fibers					2	27		
Background debris (1-4+)†	3+		3+		3+		2+	
Sample volume (liters)	75		75		75		75	

Comments:

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

Carbonaceous particles include soot and other combustion products. In most instances a detailed analysis of soot can be accomplished using scanning electron microscopy.

Note: Interpretation is left to the company and/or persons who conducted the field work.

† Background debris is an indication of the amounts of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. To evaluate dust levels it is important to account for differences in sample volume.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Aerotech Laboratorics, Inc

EMLab ID: 1926424, Page 2 EMLab ID: 1926424, Page 2 of 2