

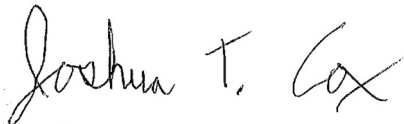
Room	Dates/Observations
A110	<p>9/18/19: Microbial air sampling conducted in this room, in the afternoon. Results did not indicate elevated fungal spore levels.</p> <p>9/19/19: Microbial air sampling conducted in this room, in the morning. Results did not indicate elevated fungal spore levels.</p> <p>9/20/19: Initial visual assessment. New ceiling tiles observed throughout room. Water stains on old tiles adjacent to new tiles. Dry moisture readings. Suspect fungal growth on wood I-beams throughout room and other classrooms such as A112, later tested on October 1, 2019, and confirmed to not be fungal growth.</p> <p>10/7/19: Asbestos air testing performed today inside the containment in the southeast section of room. Approximately 85 square feet of drywall removal at south wall. Asbestos containing material is the joint compound within the drywall system. Asbestos air clearance received.</p> <p>10/10/19: Almost all ceilings tiles removed (entire north section - 310 SF, majority center section - 218 SF, almost entire south section - 308 SF). Drywall removed from upper portion of south wall, SE section. All else intact. No visible fungal growth or musty odor and no water staining. Dry moisture readings. Microbial air sampling conducted in this room. Results did not indicate elevated fungal spore levels.</p>

Report for:

Ms. Victoria Shepersky
TRC Solutions, Inc.
4105 SE International Way, Suite 505
Milwaukie, OR 97222

Regarding: Project: 362890 West Tualatin ES
EML ID: 2256569

Approved by:



Operations Manager
Joshua Cox

Dates of Analysis:

Spore trap analysis: 09-19-2019

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 samples as received. Sample air volume is supplied by the client.

Eurofins 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.

Eurofins EMLab P&K's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890 West Tualatin ES

Date of Sampling: 09-18-2019
 Date of Receipt: 09-19-2019
 Date of Report: 09-19-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	28956406: Outside Air N @ Gym & Main Bldg				28956442: Principal's Office				28956403: Gym South Portion				28956463: Gym North Portion			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	10729973-1				10729974-1				10729975-1				10729976-1			
Analysis Date:	09/19/2019				09/19/2019				09/19/2019				09/19/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	1+				3+				4+				4+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments					1	13	13	n/a	2	27	13	n/a	7	93	13	n/a
Pollen																
§ TOTAL FUNGAL SPORES	109	5,400	n/a	100	2	27	n/a	100	18	240	n/a	100	28	370	n/a	100
Alternaria																
Ascospores	34	450	13	8					3	40	13	17				
Basidiospores	42	4,500	110	83					3	40	13	17	4	53	13	14
Botrytis	1	13	13	< 1												
Cercospora																
Chaetomium																
Cladosporium	25	330	13	6	1	13	13	50	6	80	13	33	12	160	13	43
Epicoccum																
Other brown													1	13	13	4
Penicillium/Aspergillus types	5	67	13	1	1	13	13	50	5	67	13	28	9	120	13	32
Smuts, Periconia, Myxomycetes	2	27	13	< 1					1	13	13	6	2	27	13	7
Stachybotrys																

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/m³ divided by the raw count, expressed in Count/m³.

*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.

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

Client: TRC Solutions, Inc.
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 Re: 362890 West Tualatin ES

Date of Sampling: 09-18-2019
 Date of Receipt: 09-19-2019
 Date of Report: 09-19-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	28956428: Stage				28956426: A100				28956429: A102				28956421: Main Corridor N @ A102			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	10729977-1				10729978-1				10729979-1				10729980-1			
Analysis Date:	09/19/2019				09/19/2019				09/19/2019				09/19/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	4+				4+				4+				4+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	3	40	13	n/a	10	130	13	n/a	13	170	13	n/a	10	130	13	n/a
Pollen									1	13	13	n/a				
§ TOTAL FUNGAL SPORES	36	480	n/a	100	50	670	n/a	100	93	1,200	n/a	100	66	880	n/a	100
Alternaria					3	40	13	6								
Ascospores	2	27	13	6					1	13	13	1	3	40	13	5
Basidiospores	8	110	13	22	6	80	13	12	3	40	13	3	5	67	13	8
Botrytis																
Chaetomium																
Cladosporium	13	170	13	36	21	280	13	42	53	710	13	57	36	480	13	55
Epicoccum	1	13	13	3												
Other brown									3	40	13	3				
Penicillium/Aspergillus types	12	160	13	33	17	230	13	34	28	370	13	30	17	230	13	26
Pithomyces					1	13	13	2	1	13	13	1				
Rusts									1	13	13	1				
Smuts, Periconia, Myxomycetes					2	27	13	4	3	40	13	3	5	67	13	8
Stachybotrys																

Comments:

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 C/O: Ms. Victoria Shepersky
 Re: 362890 West Tualatin ES

Date of Sampling: 09-18-2019
 Date of Receipt: 09-19-2019
 Date of Report: 09-19-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	28956420: A104				28956469: A106				28956468: A108				28956720: Main Corridor Center @ Library			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	10729981-1				10729982-1				10729983-1				10729984-1			
Analysis Date:	09/19/2019				09/19/2019				09/19/2019				09/19/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	3+				4+				3+				4+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	3	40	13	n/a	8	110	13	n/a	2	27	13	n/a	6	80	13	n/a
Pollen																
§ TOTAL FUNGAL SPORES	19	250	n/a	100	43	570	n/a	100	19	250	n/a	100	51	680	n/a	100
Alternaria																
Ascospores					2	27	13	5	1	13	13	5				
Basidiospores	2	27	13	11	2	27	13	5	2	27	13	11	5	67	13	10
Botrytis	1	13	13	5												
Cercospora																
Chaetomium																
Cladosporium	8	110	13	42	14	190	13	33	8	110	13	42	27	360	13	53
Epicoccum																
Other brown	1	13	13	5	1	13	13	2					1	13	13	2
Penicillium/Aspergillus types	7	93	13	37	23	310	13	53	8	110	13	42	17	230	13	33
Smuts, Periconia, Myxomycetes					1	13	13	2					1	13	13	2
Stachybotrys																

Comments:

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 C/O: Ms. Victoria Shepersky
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Date of Sampling: 09-18-2019
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 Date of Report: 09-19-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	28956443: A110				28956404: A112				28956402: A114				28956444: Main Corridor S @ A116			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	10729985-1				10729986-1				10729987-1				10729988-1			
Analysis Date:	09/19/2019				09/19/2019				09/19/2019				09/19/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	4+				3+				4+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	12	160	13	n/a	2	27	13	n/a	9	120	13	n/a	2	27	13	n/a
Pollen	1	13	13	n/a												
§ TOTAL FUNGAL SPORES	41	550	n/a	100	31	410	n/a	100	72	960	n/a	100	45	600	n/a	100
Alternaria																
Ascospores					3	40	13	10	1	13	13	1	8	110	13	18
Basidiospores	2	27	13	5	6	80	13	19	10	130	13	14	23	310	13	51
Botrytis																
Cercospora																
Chaetomium																
Cladosporium	25	330	13	61	13	170	13	42	33	440	13	46	7	93	13	16
Epicoccum																
Other brown					1	13	13	3	1	13	13	1	1	13	13	2
Penicillium/Aspergillus types	13	170	13	32	7	93	13	23	23	310	13	32	6	80	13	13
Pithomyces																
Smuts, Periconia, Myxomycetes	1	13	13	2	1	13	13	3	4	53	13	6				
Stachybotrys																

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.

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Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890 West Tualatin ES

Date of Sampling: 09-18-2019
 Date of Receipt: 09-19-2019
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	28956447: A116				28956396: A Hall @ A118				28956439: A118				28862359: A120			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	10729989-1				10729990-1				10729991-1				10729992-1			
Analysis Date:	09/19/2019				09/19/2019				09/19/2019				09/19/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	2+				2+				2+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	4	53	13	n/a	1	13	13	n/a	3	40	13	n/a	1	13	13	n/a
Pollen																
§ TOTAL FUNGAL SPORES	88	1,200	n/a	100	94	1,300	n/a	100	45	600	n/a	100	171	2,300	n/a	100
Alternaria					1	13	13	1								
Ascospores	14	190	13	16	16	210	13	17	7	93	13	16	31	410	13	18
Basidiospores	52	690	13	59	49	650	13	52	13	170	13	29	112	1,500	13	65
Botrytis																
Cercospora																
Chaetomium																
Cladosporium	11	150	13	13	11	150	13	12	4	53	13	9	6	80	13	4
Epicoccum																
Other brown																
Penicillium/Aspergillus types	6	80	13	7	17	230	13	18	20	270	13	44	17	230	13	10
Pithomyces	1	13	13	1									1	13	13	1
Smuts, Periconia, Myxomycetes	4	53	13	5					1	13	13	2	4	53	13	2
Stachybotrys																

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/m³ divided by the raw count, expressed in Count/m³.

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 C/O: Ms. Victoria Shepersky
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Date of Sampling: 09-18-2019
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	28956348: A122				28956453: LL10 Music				28956408: Production Rm Off Library				28956709: Tech Rm Off Library			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	10729993-1				10729994-1				10729995-1				10729996-1			
Analysis Date:	09/19/2019				09/19/2019				09/19/2019				09/19/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	2+				2+				2+				1+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	3	40	13	n/a	2	27	13	n/a								
Pollen																
§ TOTAL FUNGAL SPORES	58	770	n/a	100	26	350	n/a	100	9	120	n/a	100	9	120	n/a	100
Alternaria																
Ascospores	11	150	13	19	3	40	13	12	1	13	13	11				
Basidiospores	33	440	13	57	10	130	13	38	5	67	13	56	7	93	13	78
Botrytis																
Cercospora																
Chaetomium																
Cladosporium	7	93	13	12	1	13	13	4					1	13	13	11
Epicoccum																
Other brown																
Penicillium/Aspergillus types	6	80	13	10	12	160	13	46	3	40	13	33	1	13	13	11
Pithomyces	1	13	13	2												
Rusts																
Stachybotrys																

Comments:

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 C/O: Ms. Victoria Shepersky
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Date of Sampling: 09-18-2019
 Date of Receipt: 09-19-2019
 Date of Report: 09-19-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	28956414: Library North Portion				28956417: Library South Portion				28956451: Resource Rm Off Library			
Comments (see below)	None				None				None			
Lab ID-Version‡:	10729997-1				10729998-1				10729999-1			
Analysis Date:	09/19/2019				09/19/2019				09/19/2019			
Sample volume (liters)	75				75				75			
Background debris (1-4+)††	2+				2+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments									1	13	13	n/a
Pollen												
§ TOTAL FUNGAL SPORES	11	150	n/a	100	8	110	n/a	100	31	410	n/a	100
Alternaria												
Ascospores	2	27	13	18					1	13	13	3
Basidiospores	4	53	13	36	2	27	13	25	16	210	13	52
Botrytis												
Cercospora												
Chaetomium												
Cladosporium	2	27	13	18	1	13	13	13	2	27	13	6
Epicoccum												
Other brown					2	27	13	25				
Penicillium/Aspergillus types	3	40	13	27	3	40	13	38	12	160	13	39
Pithomyces												
Rusts												
Stachybotrys												

Comments:

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Date of Sampling: 09-18-2019
 Date of Receipt: 09-19-2019
 Date of Report: 09-19-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	28956728: Speech Rm				28956690: Outside Air S @ A114 & A112			
Comments (see below)	None				None			
Lab ID-Version‡:	10730000-1				10730001-1			
Analysis Date:	09/19/2019				09/19/2019			
Sample volume (liters)	75				75			
Background debris (1-4+)††	2+				1+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	1	13	13	n/a				
Pollen					7	93	13	n/a
§ TOTAL FUNGAL SPORES	19	250	n/a	100	243	26,000	n/a	100
Alternaria								
Ascospores	1	13	13	5	73	970	13	4
Basidiospores	9	120	13	47	136	24,000	180	94
Botrytis								
Cercospora					1	13	13	< 1
Chaetomium								
Cladosporium	7	93	13	37	22	290	13	1
Epicoccum					2	27	13	< 1
Other brown								
Penicillium/Aspergillus types					9	120	13	< 1
Pithomyces								
Smuts, Periconia, Myxomycetes	2	27	13	11				
Stachybotrys								

Comments:

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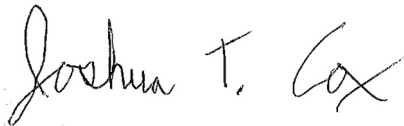
§ Total Fungal Spores has been rounded to two significant figures to reflect analytical precision.

Report for:

Ms. Victoria Shepersky
TRC Solutions, Inc.
4105 SE International Way, Suite 505
Milwaukie, OR 97222

Regarding: Project: 362890 West Tualatin View ES
EML ID: 2257669

Approved by:



Operations Manager
Joshua Cox

Dates of Analysis:

Spore trap analysis: 09-20-2019

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 samples as received. Sample air volume is supplied by the client.

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Eurofins EMLab P&K's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890 West Tualatin View ES

Date of Sampling: 09-19-2019
 Date of Receipt: 09-20-2019
 Date of Report: 09-20-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2895 6704: Outside Air A-112				2895 6437: A-114				2895 6412: A-112				2895 6446: A-116			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	10735902-1				10735903-1				10735904-1				10735905-1			
Analysis Date:	09/20/2019				09/20/2019				09/20/2019				09/20/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	2+				2+				2+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments					3	40	13	n/a					1	13	13	n/a
Pollen					1	13	13	n/a								
§ TOTAL FUNGAL SPORES	336	36,000	n/a	100	10	130	n/a	100	4	53	n/a	100	5	67	n/a	100
Alternaria																
Ascospores	148	2,000	13	5	5	67	13	50	1	13	13	25	1	13	13	20
Basidiospores	124	33,000	270	92	4	53	13	40	1	13	13	25	4	53	13	80
Chaetomium																
Cladosporium	48	640	13	2	1	13	13	10	2	27	13	50				
Epicoccum	1	13	13	< 1												
Penicillium/Aspergillus types	13	170	13	< 1												
Pithomyces																
Rusts																
Smuts, Periconia, Myxomycetes	2	27	13	< 1												
Stachybotrys																
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/m³ divided by the raw count, expressed in Count/m³.

*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.

Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890 West Tualatin View ES

Date of Sampling: 09-19-2019
 Date of Receipt: 09-20-2019
 Date of Report: 09-20-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2895 6746: A-110				2895 6449: A-118				2895 6331: A-120				2895 6411: Library			
Comments (see below)	None				None				None				None			
Lab ID-Version‡:	10735906-1				10735907-1				10735908-1				10735909-1			
Analysis Date:	09/20/2019				09/20/2019				09/20/2019				09/20/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	2+				2+				2+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	1	13	13	n/a					2	27	13	n/a				
Pollen																
§ TOTAL FUNGAL SPORES	3	40	n/a	100	305	4,100	n/a	100	10	130	n/a	100	2	27	n/a	100
Alternaria																
Ascospores					30	400	13	10	1	13	13	10				
Basidiospores					239	3,200	13	78	8	110	13	80	1	13	13	50
Chaetomium																
Cladosporium					6	80	13	2	1	13	13	10	1	13	13	50
Epicoccum																
Penicillium/Aspergillus types					30	400	13	10								
Pithomyces	2	27	13	67												
Rusts	1	13	13	33												
Smuts, Periconia, Myxomycetes																
Stachybotrys																
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/m³ divided by the raw count, expressed in Count/m³.

*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.

Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890 West Tualatin View ES

Date of Sampling: 09-19-2019
 Date of Receipt: 09-20-2019
 Date of Report: 09-20-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2895 6433: Boiler Room				2895 6410: A-122				2895 6425: Outside Air A-122			
Comments (see below)	None				None				None			
Lab ID-Version‡:	10735910-1				10735911-1				10735912-1			
Analysis Date:	09/20/2019				09/20/2019				09/20/2019			
Sample volume (liters)	75				75				75			
Background debris (1-4+)††	2+				2+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	1	13	13	n/a	2	27	13	n/a				
Pollen												
§ TOTAL FUNGAL SPORES	210	18,000	n/a	100	120	1,600	n/a	100	227	27,000	n/a	100
Alternaria	1	13	13	< 1								
Ascospores	48	640	13	4	9	120	13	8	94	1,300	13	5
Basidiospores	123	16,000	130	93	18	240	13	15	94	25,000	270	93
Chaetomium												
Cladosporium	31	410	13	2	2	27	13	2	30	400	13	1
Epicoccum												
Penicillium/Aspergillus types	7	93	13	1	91	1,200	13	76	4	53	13	< 1
Pithomyces												
Rusts												
Smuts, Periconia, Myxomycetes									5	67	13	< 1
Stachybotrys												
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/m³ divided by the raw count, expressed in Count/m³.

*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".

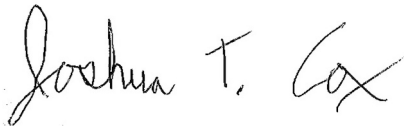
§ Total Fungal Spores has been rounded to two significant figures to reflect analytical precision.

Report for:

Ms. Victoria Shepersky
TRC Solutions, Inc.
4105 SE International Way, Suite 505
Milwaukie, OR 97222

Regarding: Project: 362890; West Tualatin View - A112
EML ID: 2266696

Approved by:



Operations Manager
Joshua Cox

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-02-2019

Service SOPs: Direct microscopic exam (Qualitative) (EM-MY-S-1039)
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 samples as received.

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Eurofins EMLab P&K's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890; West Tualatin View - A112

Date of Sampling: 10-01-2019
 Date of Receipt: 10-02-2019
 Date of Report: 10-02-2019

DIRECT MICROSCOPIC EXAMINATION REPORT

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 10778232-1, Analysis Date: 10/02/2019: Tape sample WTV-100119-01: A112-Suspect/Ceiling Tile				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 10778233-1, Analysis Date: 10/02/2019: Tape sample WTV-100119-02: A112-Suspect Roof Debris/CT				
Very Heavy	Very few	None	Large Macroscopic particulates preventing proper mounting of sample media. Reported results may be low.	Normal trapping
Lab ID-Version: 10778234-1, Analysis Date: 10/02/2019: Tape sample WTV-100119-03: A112-Suspect White Ceiling Wood				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 10778235-1, Analysis Date: 10/02/2019: Tape sample WTV-100119-04: A112-Suspect White I-Beam				
Moderate	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded <1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

‡ 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".
 The limit of detection is < 1+ when mold growth is detected.

**CERTIFICATE
of
FINAL VISUAL INSPECTION
and
FINAL CLEARANCE AIR MONITORING**

Final Visual Inspection and Final Clearance Air Monitoring Protocol:

TRC Environmental Corporation (TRC) collected clearance samples in accordance with USEPA Regulation 40 CFR, Part 763 (AHERA), Oregon Department of Environmental Quality (DEQ), and the NIOSH 7400 method. At the conclusion of the asbestos abatement action, TRC visually inspected the work area to determine that ALL DUST AND DEBRIS HAD BEEN REMOVED. Any dust or debris identified during the inspection was cleaned or identified to be non-asbestos containing. Once the work area passed the final visual inspection, final air clearance samples were collected using sampling methods in accordance with 40 CFR Part 763, Appendix A. Final clearance air samples were collected by individuals qualified to collect air samples as defined by the USEPA and DEQ. The air samples were submitted to an accredited laboratory or a NIOSH 582 certified microscopist capable of performing Phase Contrast Microscopy (PCM). The abatement action is considered complete when all concentrations of the five PCM results are less than or equal to 0.010 f/cc. Fewer than five samples may be collected for secondary containments when abatement is less than 32 SF, 50 LF, or the quantity of a 55 gal. drum of ACM.

Project: West Tualatin View E.S. Project #: 362890
 Location: Room A110
 Sample Analysis Conducted by: Jason Stone Date: 10/7/19

Sample #	Sample Location	Flow Rate (l/m)			Time			Total Volume	Fibers/Fields	LOD (2.7/vol)	PCM Result (f/cc)
		Pre	Post	Ave.	On	Off	Total				
A110-01	A110.	12	12	12	0917	1057	100	1200	1/100	0.0023	< LOD
A110-02	↓	12	12	12	0917	1057	100	1200	1/100	0.0023	< LOD
A110-03		12	12	12	0917	1057	100	1200	1/100	0.0023	< LOD
A110-04		12	12	12	0917	1057	100	1200	1/100	0.0023	< LOD
A110-05		12	12	12	0917	1057	100	1200	1/100	0.0023	< LOD

Based on the analytical results presented in the table above, the abatement activity is considered to be complete, and the area is authorized for re-occupancy.

Comments:


TRC Rep: Jason Stone Contractor: PAS

Report for:

Ms. Victoria Shepersky
TRC Solutions, Inc.
4105 SE International Way, Suite 505
Milwaukie, OR 97222

Regarding: Project: 362890, West Tualatin View ES
EML ID: 2273798

Approved by:



Technical Manager
Justin Ford

Dates of Analysis:
Spore trap analysis: 10-11-2019

Service SOPs: Spore trap analysis (EM-MY-S-1038)
AIHA-LAP, LLC accredited service, Lab ID #178599

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 samples as received. Sample air volume is supplied by the client.

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Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890, West Tualatin View ES

Date of Sampling: 10-10-2019
 Date of Receipt: 10-11-2019
 Date of Report: 10-11-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	29149522: Outside Air North				29149953: A104				29149543: Production Room				29149946: Technology Room (South)			
Comments (see below)	A				A				A				A			
Lab ID-Version‡:	10811500-1				10811501-1				10811502-1				10811503-1			
Analysis Date:	10/11/2019				10/11/2019				10/11/2019				10/11/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	2+				2+				2+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hypthal fragments	1	13	13	n/a												
Pollen	1	13	13	n/a												
§ TOTAL FUNGAL SPORES	154	2,100	n/a	100	21	280	n/a	100	95	1,300	n/a	100	252	3,400	n/a	100
Alternaria																
Ascospores	28	370	13	18												
Basidiospores	102	1,400	13	66	12	160	13	57					9	120	13	4
Botrytis																
Chaetomium																
Cladosporium	9	120	13	6	2	27	13	10	15	200	13	16	3	40	13	1
Other brown	1	13	13	1												
Penicillium/Aspergillus types	11	150	13	7	7	93	13	33	80	1,100	13	84	240	3,200	13	95
Rusts																
Smuts, Periconia, Myxomycetes	3	40	13	2												
Stachybotrys																
Torula																
Ulocladium																

Comments: A) Analysis of replicate sample is delayed.

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/m³ divided by the raw count, expressed in Count/m³.

*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.

Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890, West Tualatin View ES

Date of Sampling: 10-10-2019
 Date of Receipt: 10-11-2019
 Date of Report: 10-11-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	29149944: A110				29149951: A112				29149958: A114				29149968: A116			
Comments (see below)	A				A				A				A			
Lab ID-Version‡:	10811504-1				10811505-1				10811506-1				10811507-1			
Analysis Date:	10/11/2019				10/11/2019				10/11/2019				10/11/2019			
Sample volume (liters)	75				75				75				75			
Background debris (1-4+)††	1+				1+				2+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments									1	13	13	n/a				
Pollen																
§ TOTAL FUNGAL SPORES	14	190	n/a	100	12	160	n/a	100	74	990	n/a	100	38	510	n/a	100
Alternaria																
Ascospores	3	40	13	21	1	13	13	8	13	170	13	18	4	53	13	11
Basidiospores	6	80	13	43	6	80	13	50	22	290	13	30	18	240	13	47
Botrytis																
Chaetomium																
Cladosporium	1	13	13	7	2	27	13	17					1	13	13	3
Other brown																
Penicillium/Aspergillus types	3	40	13	21	3	40	13	25	38	510	13	51	14	190	13	37
Rusts													1	13	13	3
Smuts, Periconia, Myxomycetes	1	13	13	7					1	13	13	1				
Stachybotrys																
Torula																
Ulocladium																

Comments: A) Analysis of replicate sample is delayed.

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/m³ divided by the raw count, expressed in Count/m³.

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‡ 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.

Client: TRC Solutions, Inc.
 C/O: Ms. Victoria Shepersky
 Re: 362890, West Tualatin View ES

Date of Sampling: 10-10-2019
 Date of Receipt: 10-11-2019
 Date of Report: 10-11-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	29149941: A122				29149950: Outside Air South			
Comments (see below)	A				A			
Lab ID-Version‡:	10811508-1				10811509-1			
Analysis Date:	10/11/2019				10/11/2019			
Sample volume (liters)	75				75			
Background debris (1-4+)††	2+				2+			
	raw ct.	Count/m3	DL/m3*	%	raw ct.	Count/m3	DL/m3*	%
Hyphal fragments	1	13	13	n/a	2	27	13	n/a
Pollen								
§ TOTAL FUNGAL SPORES	200	2,700	n/a	100	151	2,000	n/a	100
Alternaria					1	13	13	1
Ascospores	22	290	13	11	30	400	13	20
Basidiospores	35	470	13	18	69	920	13	46
Botrytis					1	13	13	1
Chaetomium								
Cladosporium	27	360	13	14	27	360	13	18
Other brown								
Penicillium/Aspergillus types	116	1,500	13	58	12	160	13	8
Rusts								
Smuts, Periconia, Myxomycetes					11	150	13	7
Stachybotrys								
Torula								
Ulocladium								

Comments: A) Analysis of replicate sample is delayed.

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/m³ divided by the raw count, expressed in Count/m³.

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‡ 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.

Client: TRC Solutions, Inc.
C/O: Ms. Victoria Shepersky
Re: 362890, West Tualatin View ES

Date of Sampling: 10-10-2019
Date of Receipt: 10-11-2019
Date of Report: 10-11-2019

MoldRANGE™, Local Climate; Extended Outdoor Comparison
Outdoor Location: 29149522, Outside Air North

Fungi Identified	Outdoor data	Typical Outdoor Data for: October in Oregon† EMLab Local Climate code¹						Typical Outdoor Data for: The entire year in Oregon† EMLab Local Climate code¹					
		A Annual Temp, B Elev., B Rain, B Temp. Range (n‡=171)						A Annual Temp, B Elev., B Rain, B Temp. Range (n‡=2055)					
Project zip code 97225	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	19	53	80	30	13	13	13	53	67	19
Bipolaris/Drechslera group	-	-	-	-	-	-	4	10	13	13	27	50	2
Chaetomium	-	-	-	-	-	-	5	12	13	13	13	31	5
Cladosporium	120	320	480	1,400	3,300	5,600	99	53	110	430	1,600	3,100	87
Curvularia	-	-	-	-	-	-	2	13	13	13	13	13	1
Nigrospora	-	-	-	-	-	-	3	7	13	13	27	53	2
Other brown	13	13	13	27	53	91	38	13	13	13	53	67	25
Penicillium/Aspergillus types	150	160	290	560	1,800	2,400	98	53	110	320	800	1,500	90
Stachybotrys	-	-	-	-	-	-	1	7	13	13	110	1,000	< 1
Torula	-	-	-	-	-	-	5	13	13	13	40	60	6
Seldom found growing indoors**													
Ascospores	370	110	320	1,300	3,700	6,400	98	80	160	530	1,900	3,500	93
Basidiospores	1,400	650	1,700	5,800	13,000	18,000	> 99	200	370	1,400	4,700	8,500	98
Botrytis	-	13	13	27	70	130	33	13	13	27	67	110	15
Rusts	-	13	13	13	40	67	36	13	13	20	53	93	22
Smuts, Periconia, Myxomycetes	40	13	13	53	130	260	67	13	13	40	110	220	52
§ TOTAL SPORES/m3	2,100												

¹EMLab Local Climate codes are a climate classification scheme for statewide geographic areas. The MoldRANGE™ Local Climate report uses the sampling location zip code to identify the EMLab Local Climate code in that area. Using information available from the NOAA weather database, the EMLab Local Climate code sharpens the precision of the MoldRANGE™ reporting system, providing more reliable estimates of the range and average concentrations of the different airborne fungal spore types for each region. Additional information on the EMLab Local Climate code system can be found on the last page of this report.

‡The Typical Outdoor Data represents the typical outdoor spore levels across the state for the time period and EMLab Local Climate code indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically and if not enough data is available to make a statistically meaningful assessment, it is indicated with a dash.

‡ n is the sample size used to calculate the MoldRANGE™ Local Climate data summarized in the table.

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

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

Client: TRC Solutions, Inc.
C/O: Ms. Victoria Shepersky
Re: 362890, West Tualatin View ES

Date of Sampling: 10-10-2019
Date of Receipt: 10-11-2019
Date of Report: 10-11-2019

MoldRANGE™, Local Climate; Extended Outdoor Comparison
Outdoor Location: 29149950, Outside Air South

Fungi Identified	Outdoor data	Typical Outdoor Data for: October in Oregon† EMLab Local Climate code¹						Typical Outdoor Data for: The entire year in Oregon† EMLab Local Climate code¹					
		A Annual Temp, B Elev., B Rain, B Temp. Range (n‡=171)						A Annual Temp, B Elev., B Rain, B Temp. Range (n‡=2055)					
Project zip code 97225	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	13	13	13	19	53	80	30	13	13	13	53	67	19
Bipolaris/Drechslera group	-	-	-	-	-	-	4	10	13	13	27	50	2
Chaetomium	-	-	-	-	-	-	5	12	13	13	13	31	5
Cladosporium	360	320	480	1,400	3,300	5,600	99	53	110	430	1,600	3,100	87
Curvularia	-	-	-	-	-	-	2	13	13	13	13	13	1
Nigrospora	-	-	-	-	-	-	3	7	13	13	27	53	2
Other brown	-	13	13	27	53	91	38	13	13	13	53	67	25
Penicillium/Aspergillus types	160	160	290	560	1,800	2,400	98	53	110	320	800	1,500	90
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Seldom found growing indoors**													
Ascospores	400	110	320	1,300	3,700	6,400	98	80	160	530	1,900	3,500	93
Basidiospores	920	650	1,700	5,800	13,000	18,000	> 99	200	370	1,400	4,700	8,500	98
Botrytis	13	13	13	27	70	130	33	13	13	27	67	110	15
Rusts	-	13	13	13	40	67	36	13	13	20	53	93	22
Smuts, Periconia, Myxomycetes	150	13	13	53	130	260	67	13	13	40	110	220	52
§ TOTAL SPORES/m3	2,000												

¹EMLab Local Climate codes are a climate classification scheme for statewide geographic areas. The MoldRANGE™ Local Climate report uses the sampling location zip code to identify the EMLab Local Climate code in that area. Using information available from the NOAA weather database, the EMLab Local Climate code sharpens the precision of the MoldRANGE™ reporting system, providing more reliable estimates of the range and average concentrations of the different airborne fungal spore types for each region. Additional information on the EMLab Local Climate code system can be found on the last page of this report.

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** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

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Understanding EMLab Local Climate Codes

Outdoor airborne spore concentrations are strongly influenced by climate and weather patterns, often resulting in pronounced seasonal and diurnal cycles (Burge 1995). The seasonal climatic changes directly affect the growth cycle of plants, thereby influencing fungal growth, spore maturation, and release cycles. By evaluating outdoor spore concentrations across similar climatic zones rather than for the state as a whole, it is possible to provide a more representative estimate of typical outdoor spore levels and frequency of occurrence for different airborne fungal spore types in a given area.

The EMLab Local Climate code system is a novel and patent pending classification system that uses data from the NOAA - National Oceanic and Atmospheric Administration database to define unique climate regions by state. The following local climate variables, for each statewide zip code, are obtained from NOAA and assigned a letter code of A (above the statewide average for that variable) or B (below the statewide average for that variable):

1. Annual High Temperature
2. Elevation
3. Rainfall/Precipitation
4. Monthly Temperature Range

The result is a 4-character code assigned to each statewide zip code, referred to as the Local Climate Code. Below are some examples of decoded Local Climate Codes:

AAAA = Above avg. Annual High Temperature, Above avg. Elevation, Above avg. Rainfall/Precipitation, Above avg. Monthly Temperature Range
AABB = Above avg. Annual High Temperature, Above avg. Elevation, Below avg. Rainfall/Precipitation, Below avg. Monthly Temperature Range
BBA = Below avg. Annual High Temperature, Below avg. Elevation, Above avg. Rainfall/Precipitation, Above avg. Monthly Temperature Range

The actual outdoor air sample data from matching local climate codes in each state are then compiled in a manner relating typical spore concentrations and frequency of occurrence.

The NOAA local climate variables were selected by mapping data points from a subset of approximately 145,000 weather and geographic database entries to over 80,000 outdoor spore trap samples with known zip codes and assessing them using orthogonal array experimental design techniques. The results were then compared to the typical ranges of spore types found when grouping zip codes using the Koppen-Geiger climatic classification system; a commonly used climatic system that provides an objective numerical definition in terms of climatic elements such as temperature, rainfall, and other seasonal characteristics. The EMLab Local Climate codes showed improved granularity and refinement of the zip code groupings, implying a better representation of the expected range of spore types to be found within an individual zip code.

The values on this report were calculated by obtaining the four variables listed above from the over 585 million data points of weather and geographic information available in the NOAA database, and determining the frequencies and percentile values of spore types by utilizing over 180,000 Eurofins EMLab P&K outdoor spore trap samples with known zip codes.

This report groups statewide zip codes in relation to these EMLab Local Climate codes and summarizes MoldRANGE™ data by month and year within each EMLab Local Climate code.

References:

Burge, Harriet, A. Bioaerosols: Boca Raton: Lewis Publishers, pp. 163-171, 1995.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by Eurofins EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, Eurofins EMLab P&K may not have received and tested a representative number of samples for every region or time period. Eurofins EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.