



Lab/Cor, Inc.
7619 6th Ave NW
Seattle, WA 98117

Analysis Report Cover
Final Report

Phone: (206) 781-0155
Fax: (206) 789-8424
http://www.labcor.net

A Professional Service Corporation in the Northwest

Job Number: 121146 SEA
Client: PBS Engineering and Environmental, Inc.
Address: 2517 Eastlake Ave E
Suite 100
Seattle, WA 98102
Project Name: Natural Resources Bldg - Repair and Retrofit
Project No.: 40535.103.003
PO Number:
Sub Project:
Reference No.:

Report Number: 121146R01
Report Date: 9/10/2012

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Lab/Cor Sample #	Client Sample # and Description	Analysis	Analysis Notes	Date Received:
121146 - S1	AB-01 - 461 Conference Room E	NV, Air, Fungal ID		9/7/2012
121146 - S2	AB-02 - 372 Conference Room D	NV, Air, Fungal ID		9/7/2012
121146 - S3	AB-03 - SW Entrance - 1st Floor (Exterior)	NV, Air, Fungal ID		9/7/2012
121146 - S4	AB-04 - E Entrance - 1st Floor (Exterior)	NV, Air, Fungal ID		9/7/2012

Nonviable Air Air samples follow preparation and analysis techniques outlined in Method 5 of the laboratory SOP. Samples were collected using either a Zefon, Cyclex-D, or M2 Multi-Mold nonviable air sample cassette. Characteristic morphologies were observed by optical microscopy at a magnification of 600x. For each individual particle type observed, data was reported in particles per cubic meter of air (m3).

Due to various factors that influence uncertainty (media type, particle loading, staining, instrumentation and other variable aspects of the method), only the first two figures reported are considered to be significant. The area analyzed on each sample is 20%.

Disclaimer The results reported relate only to the samples tested or analyzed; the laboratory did not have control over sample collection. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Lab/Cor, Inc. the opportunity to provide you with the analytical services.

Sincerely,



Chandra Jeyabalan
Analyst

Nonviable Air

Job Number: 121146

Client: PBS Engineering and Environmental, Inc.

Project Name: Natural Resources Bldg - Repair and Retrofit

Project No.: 40535.103.003

Reference No.:

Report Number: 121146R01

Date Received: 9/7/2012

Lab/Cor ID:	S1	S2
Sample No.:	AB-01	AB-02
Description:	461 Conference Room E	372 Conference Room D
Sample Measure:	150 L	150 L
Media Type:	Fungal-AllergencoD	Fungal-AllergencoD
Analyst - Analysis Date:	CJ - 9/7/2012	CJ - 9/7/2012
MRL:	33	33
Scope - Magnification:	Olympus BHS - 600	Olympus BHS - 600
Notes:		

Fungal Identification	Raw Count*	Total Count**	Total/m³	Raw Count*	Total Count**	Total/m³
Ascospores	1	5	33			
Aspergillus/ Penicillium-like						
Basidiospores						
Botrytis						
Cladosporium	3	15	100	5	25	167
Epicoccum	1	5	33			
Ganoderma						
Hyphal Fragments				1	5	33
Myxo./ Periconia/ Smuts						
Taeniolella sp.						
Unidentified Spore						
Summary Total:	5	25	166	6	30	200

* - Raw Counts per 20% of Sample

** - Total Count per Sample

Nonviable Air

Job Number: 121146

Client: PBS Engineering and Environmental, Inc.

Project Name: Natural Resources Bldg - Repair and Retrofit

Project No.: 40535.103.003

Reference No.:

Report Number: 121146R01

Date Received: 9/7/2012

Lab/Cor ID:	S3	S4
Sample No.:	AB-03	AB-04
Description:	SW Entrance - 1st Floor (Exterior)	E Entrance - 1st Floor (Exterior)
Sample Measure:	150 L	150 L
Media Type:	Fungal-AllergencoD	Fungal-AllergencoD
Analyst - Analysis Date:	CJ - 9/7/2012	CJ - 9/7/2012
MRL:	33	33
Scope - Magnification:	Olympus BHS - 600	Olympus BHS - 600
Notes:		

Fungal Identification	Raw Count*	Total Count**	Total/m ³	Raw Count*	Total Count**	Total/m ³
Ascospores				5	25	167
Aspergillus/ Penicillium-like	49	245	1633	481	2405	16033
Basidiospores	235	1175	7833	308	1540	10267
Botrytis				1	5	33
Cladosporium	45	225	1500	71	355	2367
Epicoccum						
Ganoderma	19	95	633	42	210	1400
Hyphal Fragments				6	30	200
Myxo./ Periconia/ Smuts	4	20	133	9	45	300
Taeniocella sp.				1	5	33
Unidentified Spore	19	95	633	2	10	67
Summary Total:	371	1855	12365	926	4630	30867

Reviewed by:

Chandra Jeyabalan

Chandra Jeyabalan
Analyst

* - Raw Counts per 20% of Sample

** - Total Count per Sample

Fungal / Particulate Sample Chain of Custody Record

121146

Lab/Cor, Inc
7619 6th Ave NW
Seattle, WA 98117

Office (206) 781-0155
Fax (206) 789-8424
mail@labcor.net
www.labcor.net

Client: PBS Engineering + Environmental
Address: 2517 Parkside Ave E Suite 100
City, State, Zip: Seattle, WA 98112
Contact: Mark Hiley
Phone: (206) 510-8038 Fax:
Email: Mark.hiley@pbsenv.com
Other Info:

Analysis Type:
Nowable Options:
 Fungal ID
 Fungal & Particulate ID
 Particulate ID
 Quantitative Analysis
 (Total Count)
 Qualitative Analysis
 (Relative Abundance)
Viable Options:
 Complete Analysis
 Genera Only Stachy Only

Turnaround Time:
 6 hr RUSH*
 24 hours*
 48 hours
 3 days
 (NV Std)
 5 days
 Viable
 (7-10 days)

P.O. Number:

Project Number: 40535.103.003

Project Name: Natural Resources Bldg - Repair & Retrofit

Sample #	Sample Description	Sample Information						Media Type				Sampling Information				Total Volume / Area				
		Air		Swab		Bulk		Dust	Tape	NV	V	MEA	Stachy	Other	Sample Date		Sample Time		Sample Flow Rate	
		NV	V	NV	V	NV	V										Start	End	Start	End
AB-01	461 Conference Room E	<input checked="" type="checkbox"/>												9/6/12	2008	2018	154/m	154/m	150L	
AB-02	372 Conference Room P	<input checked="" type="checkbox"/>												"	2008	2030	"	"	150L	
AB-03	SW Entrance - 1st Floor (exterior)	<input checked="" type="checkbox"/>												"	2010	2030	"	"	150L	
AB-04	E Entrance - 1st Floor (exterior)	<input checked="" type="checkbox"/>												"	2100	2110	"	"	150L	

Internal Lab Use Only:
Preliminary Release:
By Fax Phone E-mail Verbal Final Results Released:
By Fax Phone E-mail

Hardcopy / Invoice Mailed
Reviewed By:

By signing below you are agreeing to comply with Lab/Cor's Requests, Terms and Contracts.
Relinquished by: Joe Lewis JR Lewis
Received by: Mark Hiley
Date: 9/7/12
Time: 9:00 am
* Call ahead for TATs of 24 hours or less