



Built Environment Reservoirs

March 28, 2022

Subcontractor Number:

Laboratory Report: RES 520996-1

Project #/P.O. #: 208 Main Str Stevensville MT North
Valley Library

Project Description: NW Crawlspace/basement

Milan Plachy
ARC Environmental Enterprises
1065 Park Ln.
Stevensville MT 59870


Dear Milan,

Eurofins Reservoirs is an analytical laboratory accredited for the analysis of pathogenic, non-pathogenic and environmental microorganisms by the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533. The laboratory is currently proficient in the EMPAT program.

Eurofins Reservoirs has analyzed the following sample(s) per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the analysis table. Reported sample results were not blank corrected. Results have been sent to your office.

RES 520996-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Eurofins Reservoirs will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Eurofins Reservoirs. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Sam Li

Jeanne Spencer
President



EUROFINS RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0
AIHA LAP, LLC. LAB ID 101533

TABLE: I ANALYSIS: SPORE TRAP, NON-VIABLE METHODOLOGY

RES Job Number: **RES 520996-1**
 Client: **ARC Environmental Enterprises**
 Client Project/P.O.: **208 Main Str Stevensville MT North Valley Library**
 Client Project Description: **NW Crawlspace/basement**
 Date Samples Received: **March 28, 2022**
 Analysis Type: **REI MICROBIOLOGY SOP / ASTM D7391-09-M**
 Turnaround: **Rush**

NA = Not Analyzed
 NR = Not Received
 ND = None Detected
 TNTC = Too Numerous To Count
 CBR = Cannot Be Read
 Min. Reporting Limit (MRL) = 1 Cell
 Common Allergen
 Water Loss Indicator

Client ID Number	520996 - post cleanup air		
Sample Volume (L)	75		
	% Analyzed	Raw Count	Spores/m ³
Acremonium	100	ND	
Alternaria	100	ND	
Arthrinium	100	ND	
Ascospores - Non-Specified	100	ND	
Aspergillus/Penicillium - Like	100	ND	
Basidiospores - Non-Specified	100	3	40
Bipolaris/Drechslera - Like	100	ND	
Botrytis	100	ND	
Cercospora-like	100	ND	
Chaetomium	100	2	27
Cladosporium	100	6	80
Curvularia	100	ND	
Epicoccum	100	ND	
Fusarium	100	ND	
Ganoderma	100	ND	
Memnoniella	100	ND	
Myxomycetes/Periconia/Smuts/Rusts	100	6	80
Nigrospora	100	ND	
Non-specified spore	100	ND	
Oidium (powder mildew)	100	ND	
Pestalotiopsis/Pestalotia	100	ND	
Pithomyces	100	ND	
Scopulariopsis	100	ND	
Spegazzinia	100	ND	
Stachybotrys	100	ND	
Tetraploa	100	ND	
Torula	100	ND	
Trichoderma-like	100	ND	
Ulocladium/Stemphylium	100	ND	
Hyphal Fragments	100	2	27
Pollen	100	ND	
Analytical Sensitivity*	100	1	13
Background Debris %	4		
Total Spores/m ³	230		
Raw Total	17		
Comments	Very high levels of background material observed		

Date Samples Collected: 3/24/2022 Spore Trap(s): Air-O-Cell

*The reported Analytical Sensitivity is calculated based on one spore detected, in the area analyzed, using the smallest percent area analyzed.

Sample analyses have not been blank corrected.

Sam Li
Sam Li
Analyst

ANALYTICAL INFORMATION

Spore traps are a sampling devices that collect aeroallergens such as pollens, mold and fungal spores, fibers, dander, insect components and other air-borne contaminates. Samples are analyzed using light microscopy at 600X magnification with the entire sample trace or a percentage of the trace is counted. The results include both viable and non-viable fungal spores. This technique does not allow for the differentiation between Aspergillus and Penicillium spores. Small (1-3um) spherical fungal spores that cannot be identified and may included Aspergillus, Penicillium and Paecilomyces and others. Sample traces with greater than 500 spores per slide are difficult to count accurately due to overcrowding and should be considered estimations. Excessive non-microbial particulate debris can mask the presence of fungal spores, thereby reducing counting accuracies. All samples are graded with the following debris scale for data qualification.

AIHA EMPAT #101533

Background Debris Rating	Description	Interpretation
0	No Particles Detected	No particles were observed on slide. The absence of particulates could indicate improper sampling, as most air samples typically contain some particulate
1	Minimal non-microbial debris present.	Reported values are not affected by debris
2	Up to 25% of the slide occluded with particulate debris	Particulate debris could mask the presence of spores but do not provide significant interference with the analyses
3	26 to 50% of the slide occluded with particulate debris	Particulate debris could mask the presence of spores and begin to interfere with the analytical count. As a result actual values could be somewhat higher than reported.
4	51 to 90% of the slide occluded with particulate debris	Particulate debris are heavy and would mask the presence of some fungal spores if present. As a result, the count could be higher than reported.
CBR	Cannot Be Read	Sample could not be read due to excessive debris. Spores observed on the perimeter of debris are reported as present or abundant. The sample should be collected at shorter time interval or other measures taken to reduce the collection of non-microbial debris.

Qualitative Reporting Limits	Description
Infrequent	1 to 5 Structures per 22 x 22 mm
Occasional	5 to 50 Structures per 22 x 22 mm
Moderate	1 to 10 Structures per Field of View
Abundant	10+ Structures per Field of View

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES	
Company: ARC Environmental Enterprises		Company: ARC Environmental Enterprises		Contact: Milan Plachy		-1 Micro Rush *NO VERBALS*	
Address: 1065 Park Ln.		Address: 1065 Park Ln.		Phone: (406) 360-8639			
				Fax:			
Stevensville, MT 59870		Stevensville, MT 59870		Cell:			
Project Number and/or P.O. #: 208 Main Str Stevensville MT North Valley Library				Final Data Deliverable Email Address:			
Project Description/Location: NW Crawlspace/basement				arc.milan@yahoo.com (+ 1 ADDNL. CONTACTS)			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm		REQUESTED ANALYSIS				VALID MATRIX CODES				LAB NOTES				
PLM / PCM / TEM DTL RUSH PRIORITY STANDARD		PLM - Short Report, Long Report, CARB 435 TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Chatfield, Drinking Water, Waste Water, Bulk +/-, CARB Modified Ahera PCM - 7400A, 7400B, OSHA DUST - Total, Respirable METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metals (7303, 6020A, 200.8, Waste Water, Foodware, OSHA ID-125G), pH (Liquid or Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan ORGANICS - Methamphetamine, TSS VIABLES - Campylobacter, Bacillus, Salmonella (Culturable or 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S.aureus, Yeast & Mol, Aerobic Plate Count, Coliforms/E.coli - (State Water, Drinking Water, Non-Drinking Water, +/-, Quantification), Lactic Acid, Viable Microbial Count (w/o ID or w/ID), Enterococcus (+/- or Quantification), Legionella (P, NP, C) MEDICAL - Bioburden, LAL MOLD - Spore Trap Analysis (ASTM D7391-09)	Air = A		Bulk = B									
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm			Dust = D		Food = F									
Dust RUSH PRIORITY STANDARD			Paint = P		Soil = S									
Metals RUSH PRIORITY STANDARD *PRIOR NOTICE REQUIRED FOR SAME DAY TAT			Surface = SU		Swab = SW									
Organics* SAME DAY RUSH PRIORITY STANDARD			Tape = T		Wipe = W									
MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm			Drinking Water = DW											
Viable Analysis** PRIORITY STANDARD **TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH			Waste Water = WW											
Medical Device Analysis RUSH STANDARD			**ASTM E1792 approved wipe media only**											
Mold Analysis RUSH PRIORITY STANDARD			Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers					Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions	
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.														
Special Instructions:		ASBESTOS		CHEMISTRY		MICROBIOLOGY								
Client Sample ID Number (Sample ID's must be unique)														
1 post cleanup air						X		75L						
								A						
								03/24/22						

EREI establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

EREI will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:		Milan Plachy	Date/Time: 03/28/2022 7:17:28	Sample Condition: Acceptable
Received By:		Jessica Shapiro	Date/Time: 03/28/2022 10:25:01	Carrier: UPS