

The following samples were collected  
from JFK Library rooms:

- Middle Level

Date, April 17<sup>th</sup>

LABORATORY REPORT

TO: Chad Johnson  
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 SUBJECT: Particle Identification  
 SPECIMEN: Four Sets of Tapelifts  
 REFERENCE: JFK

INTRODUCTION

Four sets of three tapelifts each was received for analysis.

<i>Sample ID</i>	<i>Description</i>	<i>Analysis/Date Collected</i>
M18a	Keyboard Down	PI 4/17/19
M18b	Top of R Mont Erika	
M18c	Keyboard Tracy	
Cir-A	Top of L Mont Looking @ Monts	PI 4/17/19
Cir-B	Table Top Next to Barcode scan	
Cir-C	Top of Stamp Rack	
RefA	Front of Phone Display Student Area	PI 4/17/19
RefB	Top of Silver Bel Mont R Side	
RefC	Top of Silver Bel Mont L Side	
M04E-1	Windowsill (Control)	PI 4/17/19
M04E-2	Top of Cabinet (Control)	
M04E-3	Top of Brown Tall Table (Control)	

*mont = monitor*

The tapelifts were placed on clean microscope slides and immersed in acetone for about two hours and then removed. The slides with the tapelifts were rinsed with clean acetone as they were removed from the immersion tank. The tapelifts were allowed to dry for twenty minutes in a laminar flow Clean Work Station and then mounted using a synthetic resin (Shurmount). The completed mounts were analyzed using analytical light microscopy. The materials identified are listed in decreasing order of frequency, the most common materials first. The significance of a material's location in the list is not necessarily related to its health impact because some materials have a greater health impact at low levels than other materials do at high levels.

**RESULTS**

<i>Sample ID</i>	<i>Description</i>	<i>Glass Fibers</i>	<i>Summary of Particles</i>
M18a	Keyboard Down	0	Skin Flakes, Cosmetics, Clothing Fibers, Paper Fibers, Natural Minerals, Floor Wear
M18b	Top of R Mont Erika	0	Skin Fibers, Paper Fibers, Dog Dander, Clothing Fibers, Natural Minerals, Starch, Plant Debris
M18c	Keyboard Tracy	0	Clothing Fibers, Paper Fibers, Skin Flakes, Natural Minerals, Cosmetics, Starch, Silica Phytoliths
Cir-A	Top of L Mont Looking @ Monts	1	Paper Fibers, Clothing Fiber, Natural Minerals, Skin Flakes, Ash, Plant Debris, Silica Phytoliths, Ink, Char, Rust
Cir-B	Table Top Next to Barcode scan	1	Skin Fibers, Paper Fibers, Clothing Fibers, Natural Minerals, Starch, Silica Phytoliths
Cir-C	Top of Stamp Rack	2	Clothing Fibers, Natural Minerals, Paper Fibers, Char Ink, Feather Barbules, Cosmetics, Starch, Pollen
RefA	Front of Phone Display Student Area	0	Skin Flakes, Clothing Fibers, Paper Fibers, Natural Minerals, Wear Metal, Dog Dander, Starch, Silica Phytoliths, Rust, Tire Wear, Shoe wear
RefB	Top of Silver Bel Mont R Side	0	Skin Flakes, Clothing Fiber, Paper Fiber, Wear Metal, Natural Minerals
RefC	Top of Silver Bel Mont L Side	1	Wear Metal, Paper Fibers, Clothing Fibers, Natural Minerals, Silica Phytoliths, Plastic Foam
M04E-1	Windowsill (Control)	2	Paper Fibers, Natural Minerals, Skin Flakes (Low Particle Loading)
M04E-2	Top of Cabinet (Control)	0	Skin Flakes, Paper Fibers, Natural Minerals (Low Particle Loading)
M04E-3	Top of Brown Tall Table (Control)	4	Paper Fibers, Natural Minerals, Skin Flakes, Clothing Fibers, Tire Wear, Shoe Wear, (Low Particle Loading)

The particles typically seen on these tapelifts included skin flakes, paper fiber, clothing fiber, natural minerals, plant parts, tire wear, starch, shoe wear, pollen, plant material, fungal spores, insect debris, cosmetics, dog dander, feather barbules, wear metals, paint flakes, silica phytoliths, and glass fiber.

Six out of the twelve samples contained a total 11 short glass fibers (less than 50microns in length). Sample M04E-3 is the only sample that did not meet the 2 glass fibers per square inch clearance requirement. All the samples contained normal to low particle loading.

**CONCLUSION**

Six out of the twelve samples contained a total 11 short glass fibers (less than 50microns in length). M04E-3 did not meet the 2 glass fibers per sq. inch clearance requirement. All the samples contained normal to low particle loading.



# CHAIN OF CUSTODY RECORD



**Microchem Northwest**  
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MLNW LOG # 120-19

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 E-Mail: DJohnson@EWU.EDU  
 PO#: \_\_\_\_\_ Job Reference: JFK  
 PRIORITY: 24 hour One Week Four Weeks  
 (CIRCLE ONE)

SAMPLE ID	DESCRIPTION	ANALYSIS REQUESTED	Collected	
			Date	Time
M14a	Key board Dawn	Particle ID	4/17	
M14b	Top of R mount Evike		4/17	
M14c	Key board Tracy		4/17	
CEA-A	Top of L mount looking @ muffs	Particle ID	4/17	
CEA-B	Table top next to barcode scan		4/17	
CEA-C	Top of stamp rack		4/17	
REA-A	Front of phone display student side	Particle ID	4/17	
REA-B	Top of silver del mount R side		4/17	
REA-C	Tip of silver del mount L side		4/17	
M04E-1	Windowsill	Particle ID	4/17	
M04E-2	Top of cabinet		4/17	
M04E-3	Top of brown tall table		4/17	

Relinquished By: Chad Johnson Date/Time: 4/18/19  
 Received By: GAL Date/Time: 4/23  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_