

The following samples were collected
from JFK Library rooms:

- Middle Level
- Upper Level

Date, April 30th

LABORATORY REPORT

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SUBJECT: Particle Identification
SPECIMEN: Three Set of Tapelifts
REFERENCE: JFK

INTRODUCTION

Three sets of three tapelifts each was received for analysis.

<i>Sample ID</i>	<i>Description</i>	<i>Analysis/Date Collected</i>
M22	Bookcase Shelf- Name Plate	PI 4/30/19
M24	Display of Phone	
M26	Display of Phone	
M28	R Side of Mont Top	PI 4/30/19
M32	Top of L Mont	
Outside M30	Black Storage Cab	
U06a	Center of Tabletop	PI 4/30/19
U06b	Countertop 2 R of TV	
U06c	1 Shelf above Microwave	

mont = monitor Cab = Cabinet

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>Particle Summary</i>
M22	Bookcase Shelf- Name Plate	1	Skin Flakes, Clothing Fibers, Paper Fibers, Starch, Natural Minerals
M24	Display of Phone	0	Skin Flakes, Clothing Fibers, Natural Minerals, Paper Fibers, Cosmetics
M26	Display of Phone	0	Skin Flakes, Clothing Fibers, Silica Phytoliths, Starch, Natural Minerals
M28	R Side of Mont Top	1	Skin Flakes, Natural Minerals, Plant Debris, Paper Fibers, Clothing Fibers
M32	Top of L Mont	0	Skin Flakes, Starch, Clothing Fibers, Natural Minerals, Paint
Outside M30	Black Storage Cab	0	Skin Flakes, Clothing Fibers, Paint
U06a	Center of Tabletop	1	Skin Flakes, Clothing Fibers, Paper Fibers, Paint
U06b	Countertop 2 R of TU	2	Skin Flakes, Starch, Clothing Fibers
U06c	1 Shelf above Microwave	1	Skin Flakes, Clothing Fibers, Natural Minerals

The particles typically seen on these tapelifts included skin flakes, paper fiber, clothing fiber, natural minerals, plant parts, starch, pollen, plant material, cosmetics, silica phytoliths, and glass fiber.

Five out of the nine samples contained a total 6 short glass fibers (less than 50microns in length). All the samples met the 2 glass fibers per square inch clearance requirement. 13 short glass fibers and 4 long glass fibers per square inch is associated with health complaint. All the samples contained normal to low particle loading.

CONCLUSION

Five out of the nine samples contained a total 6 short glass fibers (less than 50microns in length). All samples met the 2 glass fibers per square inch clearance requirement. The samples contained normal to low particle loading.

Thank you for this opportunity to be of service. If I can provide any further assistance, please contact me.

Signed: Heidis Crutcher
Heidis Crutcher, Analyst

Signed: ERC
E. R. Crutcher, Consultant

