

The following samples were collected
from JFK Library rooms:

- Upper Level

Date, April 12th

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>
U18A	Windowsill 3 rd from Front	PI 4/12/19
U18B	Paper Towel Rack	
U18C	Top of Phone	
U12K-1	Big Long Table at V	PI 4/12/19
U12K-2	Desk Table Top	
U12K-3	Windowsill R Side	
U12B	3 rd Shelf Down 2 2bPriced	PI 4/12/19
U12B2	Shelf L Side of Room Artists and Paintings	
U12B3	Shelf Back of Room 2 from L 3 rd Down	

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

The first set of tapelifts from the JFK Building, U18A, U18B, and U18B, contained skin, paper fiber, clothing fiber, natural minerals, starch, plant parts, insect parts, feather barbules, pollen, fungal spores, paint spheres, ink, and glass fiber. U18B contained 1 glass fiber under 50 microns and U18C contained 2 short glass fibers. The particle loading on all three tapelift samples was very low.

Tapelifts U12 K-1, U12 K-2, and U12 K-3 contained Clothing fibers, skin flakes, metal flake, starch, natural minerals, and starch. All three of these samples had very low particle loading. There were no glass fibers present in this set of samples.

Tapelifts U12B, U12B2, and U123 contained pant, paper, skin flakes, natural minerals, pollen, fungal spores, plant debris, and glass fibers. Tapelift U12B2 contained 4 short glass fibers.

CONCLUSION

Three out of the six samples contained a total 7 short glass fibers (less than 50microns in length). U12B2 did not meet the 2 glass fibers per sq. inch clearance requirement. All 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: Heidie Crutcher
Heidie Crutcher, Analyst

Signed: ERC
E. R. Crutcher, Consultant

