

The following samples were collected
from JFK Library rooms:

- Main Level
- Upper Level

Date April 3rd

LABORATORY REPORT

TO: Mountain Consulting Services
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SUBJECT: Particle Identification
SPECIMEN: Five Set of Three Tapelifts
REFERENCE: JFK

INTRODUCTION

Five sets of three tapelifts each was received for analysis.

<i>Sample ID</i>	<i>Description</i>	<i>Analysis/Date Collected</i>
Ref 1	Top of Till Mont Dusty	PI 4/3/19
Ref 2	Desk Center by Cord Drop	
Ref 3	Top of Lower Mont	
Cir-1	Top of Circulation Survey Box Dusty	PI 4/3/19
Cir-2	Top of Mont 2 nd From R looking @ Center	
Cir-3	Back of Mont by Radius	
U02	On Docking Port	PI 4/3/19
U02b	On Top of R Mont	
U02c	Face of Phone	
U04	Top of Samsung Proj	PI 4/3/19
U06	Top of Phone	
U08	Top of Upper Cab by	
M04B	Top of File Cab	PI 4/3/19
M04D	On Top of Wood File Cab by Door	
M04E	Top of Till Brown Table	

MONT = Monitor Proj = Projector 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 Fiber</i>	<i>Summary of Particles</i>
Ref 1	Top of Till Mont Dusty	21	Skin Flakes, Clothing Fibers, Natural Minerals, Shoe Wear, Starch, Ink, Plant Debris
Ref 2	Desk Center by Cord Drop	2	Skin Flakes, Clothing Fibers, Paper Fibers, Natural Minerals, Bird Feather Barbules, Ink, Starch, Fungal Spores
Ref 3	Top of Lower Mont	0	Metal Flakes, Skin Flakes, Clothing Fibers, Natural Minerals
Cir-1	Top of Circulation Survey Box Dusty	13	Skin Flakes, Paper Fibers, Clothing Fibers, Natural Minerals, Plant Debris, Bird Feather Barbules, Silica Phytoliths
Cir-2	Top of Mont 2 nd From R looking @ Center	10	Skin Flakes, Clothing Fibers, Natural Minerals, High Hydrocarbon Soot, Bird Feather Barbules,
Cir-3	Back of Mont by Radius	5	Skin Flakes, Clothing Fibers, Natural Minerals, Pollen, Paper, Starch, Paint, Fungal Spores
U02	On Docking Por	1	Skin Flakes, Paper, Clothing Fibers, Natural Minerals, Fungal Spores
U02b	On Top of R Mont	0	Skin Flakes, Clothing Fibers, Natural Minerals (Low Particle Loading)
U02c	Face of Phone	7	Skin Flakes, Clothing Debris, Natural Minerals, Bird Feather Barbules, Fungal Spores, Starch
U04	Top of Samsung Proj	23	Skin Flakes, Clothing Debris, Starch, Natural Minerals, Plant Debris, Bird Feather Barbules, 21 short glass fibers / 2 long glass fibers
U06	Top of Phone	4	Skin Flakes, Clothing Debris, Natural Minerals, Starch, Plant Debris, Ink
U08	Top of Upper Cab by	0	Clothing Debris, Skin Flakes, Natural Minerals, Plant Debris
M04B	Top of File Cab	8	Clothing Fibers, Paper, Skin Flakes, Paint, Starch
M04D	On Top of Wood File Cab by Door	0	Skin Flakes, Paper, Natural Minerals, Starch, Carpet Beetle Hair
M04E	Top of Till Brown Table	0	Skin Flakes, Clothing Fibers, Natural Minerals (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, charred plant material, fungal spores, insect debris, feather barbules, wear metals, paint flakes, paint, and glass fiber.

Ten out of the fifteen samples contained a total 92 short glass fibers (less than 50microns in length) and 2 long glass fibers. Samples Ref 2, Ref 3, U02, U02b, U08, M04D, and M04E met the 2 glass fibers per sq. 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

The material of greatest concern on these tapelifts was glass fiber. 92 short glass fibers and 2 long glass fibers were present in ten out of the fifteen samples. 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.

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

CHAIN OF CUSTODY RECORD



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MLNW LOG # 118-19

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 PO#: _____ Job Reference: TFK

PRIORITY: 24 hour One Week Four Weeks
 (CIRCLE ONE)

SAMPLE ID	DESCRIPTION	ANALYSIS REQUESTED	Collected	
			Date	Time
Ref 1	Top of T-11 mount Dusty	Particulate PD	4/3/19	
Ref 2	Deshl Center by cond drop			
Ref 3	Top of lower mount			
CR-1	Top of Circulation Survey box Dusty	Particulate PD	4/3/19	
CR-2	Top of mount 2nd from R taking @ center Dusty			
CR-3	Back of mount by radius	Particulate PD	4/3/19	
W02	on Docking Port			
W02B	on top of R mount			
W02C	Back of Phone			
W04	Top of Samsung Proj	Particulate PD	4/3/19	
W06	Top of Phone			
W08	Top of upper Cob by separator			
M04B	Top of File Cob			
M04D	on top of Word File Cob by clover			
M04E	Top of T-11 brown Table	Particulate PD	4/3/19	
Relinquished By: <u>Chad Jansen</u>		Date/Time: <u>4/19</u>		
Received By: <u>[Signature]</u>		Date/Time: <u>4/23</u>		
Relinquished By:		Date/Time:		
Received By:		Date/Time:		

