The following samples were collected from Williamson Hall rooms:

- 310
- 311B
- 314

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Report #: 171-18
Date: May 13, 2018

LABORATORY REPORT

TO: Chad Johnson
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SUBJECT: Particle Identification
SPECIMEN: One Set of Three Tapelifts
REFERENCE: MAR/Will

INTRODUCTION

One set of three tapelifts each were received for analysis. The tapelifts were labeled as follows.

TAPELIFTS
WIL 310
WIL 311 B
WIL 314

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 samples from "WIL", 310, 311B, and 314 contained clothing fiber, skin flakes, paper debris, natural minerals, starch, metal wear, spores, pollen, pet dander, ink, charred wood, shoe wear, silica phytoliths, plant parts, and glass fibers. Wil 310 contained over 100 short glass fibers from acoustic ceiling material. Sample 314 contained 14 short glass fibers and one glass fiber with red resin. Sample 311 B contained 17 short glass fibers and one glass fiber with red resin. Health complaints are associated with 13 or more short glass fibers and/or 4 or more glass fibers longer than five hundred micrometers per square inch.

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CONCLUSION

The samples all had an elevated level of glass fiber. The glass fibers were typical of fibers you would associate with acoustic ceiling tile. The 2 fibers with red resin are common in thermal blanket insulation. Health complaints are associated with 13 or more short glass fibers and/or 4 or more glass fibers longer than five hundred micrometers per square inch.

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