



October 9, 2012
File: EOUORI ON12030A

Ms. Carol Franks
Project Coordinator
Facilities & Planning
Eastern Oregon University
One University Blvd
La Grande, Oregon 97850
541-962-3020
cfranks@eou.edu

RE: Limited Hazardous Materials Building
Survey
Quinn Coliseum
Eastern Oregon University
La Grande, Oregon

Dear Ms. Franks:

STRATA, A Professional Services Corporation (STRATA), is presenting the results of our authorized limited hazardous materials building survey (including asbestos, lead based paint [LBP], and polychlorinated biphenyls [PCB]) supporting Eastern Oregon University's (EOU) Quinn Coliseum limited renovation project located in La Grande, Oregon. This project has been completed referencing our proposal ONP12030A, dated May 18, 2012.

PROJECT BACKGROUND

Our asbestos survey was conducted referencing Environmental Protection Agency (EPA) Regulations 40 CFR 61 Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP), EPA Asbestos Hazard Emergency Response Act (AHERA) 40 Code of Federal Regulations (CFR) 763.86 sampling protocols by an accredited asbestos inspector, Oregon Department of Environmental Quality (DEQ) Asbestos Requirements (OAR 340-248) and by your specific instructions to only sample those building materials that would be disturbed by planned renovation activities.

Lead paint sampling, PCB sampling, and the PCB containing light ballasts and mercury thermostat switches inventory is intended to evaluate whether renovation demolition wastes are considered hazardous wastes under the Resource Conservation Recovery Act (RCRA) 40 CFR 261.24 (lead and mercury), the Toxic Substances Control Act (TSCA) 40 CFR 761.62 (PCBs), and Oregon Occupational Health and Safety Division (Oregon OSHA) OAR 437-002-0360, Toxic and Hazardous Substances (lead). We understand EOU is responsible for evaluating demolition worker protection requirements under the Occupational Safety and Health Act (OSHA).

Planned renovation activities for Quinn Coliseum have not been finalized. However, we conducted our sampling activities after reviewing the most recent renovation plans provided by

SERA Architects and after a discussion with Fortis (General Contractor) on September 5, 2012. Based on our site visit on September 5th and 6th, 2012, and your written authorization to proceed, STRATA personnel conducted the following project activities.

ASBESTOS CONTAINING MATERIALS (ACM) VISUAL INSPECTION

Our field activities began by visually observing building materials on September 5, 2012. We conducted our visual inspection to help identify homogeneous areas, defined as an area in which the suspect ACM appears to be uniform in texture, color, wear and is believed to have been applied during the same general time period. The original footprint of the building was constructed in 1957. Subsequent additions to the building were constructed in 1968 and 2001. Quinn Coliseum's construction history was used to segregate homogenous areas during the survey. Materials other than wood, glass, and metal were considered suspect.

ACM CONDITION AND FRIABILITY

Each identified homogeneous area was physically assessed to determine its condition (good, damaged, or significantly damaged) and to assess whether the suspect material should be classified friable or non-friable. Friable ACM can be crumbled or reduced to a powder by hand pressure, has been pulverized, or otherwise deteriorated so that the asbestos is no longer likely to be bound within its matrix. The observed ACMs were not assessed as friable.

SAMPLE COLLECTION

Asbestos

Based upon the visual inspection, suspect asbestos containing building material (ACBM) sampling strategies were established referencing EPA Regulations AHERA 40 CFR Part 763 Subpart E. Random Sampling, modified by physical access was performed on each identified suspect ACM. STRATA personnel utilized appropriate personal protective equipment while sampling. Additionally, sampling procedures included using engineering controls to reduce airborne fibers released during sample collection. One-hundred thirty nine material bulk samples were collected from 46 identified suspect homogeneous areas in Quinn Coliseum that we understand may be impacted by the proposed renovation project activities.

Lead-Based Paint

A total of ten paint chip samples were collected from the surface of interior walls, interior metal doors and door jambs, and concrete floors that may be impacted by renovation project activities. An approximate 1" x 1" paint sample was collected from the painted surfaces of these building materials. The paint chip samples were placed in individual sample containers and labeled with a unique sample identification number.

PCB

The PCB caulk bulk sample was collected from window caulk associated with the transite panels on the north side of the building. The required 5 grams of caulk was collected and placed in the sample container and chilled to 4 degrees Celsius or below, referencing EPA Method 8082.



Sample locations are illustrated on Figure 1, Sample Location Map, First Floor, Quinn Coliseum and Figure 2, Sample Location Map, Second Floor, Roof & Exterior, Quinn Coliseum. Figures are included in Appendix A, Figures and Photographs. The following summarizes the identified building materials:

Suspect Asbestos Containing Materials

- Vinyl floor tile and mastic, 12"x12", beige with brown streaks (M-VFT-001)
- Covebase and mastic, 4", brown (M-CBM-002)
- Covebase and mastic, 4", blue (M-CBM-003)
- Covebase and mastic, 4", dark beige (M-CBM -004)
- Carpet and mastic, blue (M-CPT-005)
- Carpet and mastic, brown (M-CPT-006)
- Gypsum wall system, smooth texture (M-WS-007)
- Concrete wall system with sandy texture (M-CONC-008)
- Acoustical ceiling panels, 3'x8', white, spaghetti texture (M-ACP-009)
- Acoustical ceiling panels, 2'x4', white, pinhole and worm pattern (M-ACP-010)
- Acoustical ceiling tiles, 1'x1', white, deep fissure and pinhole pattern (M-ACT-011)
- Carpet and mastic, gray (M-CPT-012)
- Gypsum wall system, sandy texture (M-WS-013)
- Carpet and mastic, blue gray (M-CPT-014)
- Covebase and mastic, 4", black (M-CBM-015)
- Parquet flooring and mastic (M-PAR-016)
- Ceramic floor tile with grout, 2"x2", blue (M-CFT-017)
- Ceramic wall tile with grout, 4"x4", white and 2"x2", blue (M-CWT-018)
- Gypsum wall system, orange peel texture, white (M-WS-019)
- Gypsum ceiling system, heavy knockdown texture (M-CS-020)
- Acoustical ceiling tiles, 1'x1', even-spaced grid pattern (M-ACT-021)
- Acoustical ceiling tiles, 1'x1', computer grid pattern (M-ACP-023)
- Vinyl floor tile and mastic, 12"x12", white and blue with blue flecks (M-VFT-024)
- Acoustical ceiling panels, 2'x4', smooth (M-ACP-025)
- Linoleum flooring, beige/gray, pebble texture (M-LIN-026)
- Covebase and mastic, 4", brownish pink (M-CBM-027)
- Covebase and mastic, 4", light gray (M-CBM-028)
- Vinyl floor tile and mastic, 9"x9", green (M-VFT-030)
- Vinyl floor tile and mastic, 9"x9", beige (M-VFT-031)
- Gypsum wall system, light sandy texture (M-WS-032)
- Acoustical ceiling tile, 1'x1', smooth, with brown mastic (M-ACT-033)
- Ceramic floor tile, 6"x6", beige tile with dark brown grout (M-CFT-034)
- Ceramic wall tile, 1"x1", multiple shades of beige (M-CWT-035)
- Transite panels (M-TRANS-036)
- Caulk, gray, thin – associated with M-TRANS-036 (M-CAULK-037)
- Ceramic floor tile, 1"x1", multi-colored tile (M-CFT-038)
- Mopped tar roof with gravel (M-ROOF-039)
- Gypsum wall system, smooth texture (M-WS-041)



- ☞ Ceramic wall tile, 4"x8", light green subway tile with white grout (M-CWT-042)
- ☞ Ceramic floor tile, 1"x1", octagonal, light brown with dark brown grout (M-CFT-043)
- ☞ Ceramic floor tile, 2"x2", dark brown with dark brown grout (M-CFT-044)
- ☞ Window glazing, gray (M-WG-045)
- ☞ Ceramic floor tile, 2"x2" beige tiles, 1"x2" green tiles, with dark brown grout (M-CFT-046)
- ☞ Ceramic wall tile, 4"x4", white and green tiles (M-CWT-047)
- ☞ Covebase and mastic, 4", green (M-CBM-048)
- ☞ Ceramic tile covebase, 4"x4" and 1"x1" ceramic tiles along shower gutters, beige (M-CERCBM-049)

Please note that numbers 022 and 029 and 040 were not used during survey activities. Additional information pertaining to these suspect asbestos containing materials is included in Table 1 - Homogeneous Material Summary Table.

Suspect Lead-Based Paint Materials

- ☞ White paint located on the interior walls of the building (LBP-1)
- ☞ White door paint located on the doors to Rooms 101E and 129 on the first floor of the building (LBP-2)
- ☞ Dark blue door paint located on doors throughout the building (LBP-3)
- ☞ Dark green paint on concrete floor in the secured Athletic Storage/Supplies area (LBP-4)
- ☞ Sage green paint located on the door & door jamb paint located in the first floor supplies/former shower area and the Public Locker Rooms (LBP-5)
- ☞ Light blue wall paint located on the interior walls of the former pool area (LBP-6)
- ☞ Beige paint located on the interior walls of the building (LBP-7)
- ☞ Yellow door paint located on the second floor Balcony Area above the gym (LBP-8)
- ☞ Brown door jamb paint located on two door jambs on the second floor Balcony Area above the gym (LBP-9)
- ☞ Light green wall paint on concrete walls in the Janitor's Closets located throughout the building (LBP-10)

Suspect PCB Material

- ☞ Window caulk (M-CAULK-037-PCB)

Please note that PCB ballasts and mercury switches were not observed in the Quinn Coliseum areas that will be impacted by renovation project activities.

MATERIAL SAMPLE ANALYSIS

Samples collected during our survey were delivered under chain-of-custody protocol to Fiberquant Analytical Services (Fiberquant), an accredited laboratory participating in the National Voluntary Laboratory Accreditation Program (NVLAP) and analyzed for asbestos content using Polarized Light Microscopy (PLM) The percent asbestos, where applicable, will be determined by visual estimation. Point count and/or Transmission Electron Microscopy (TEM)



analysis was not performed as part of the analytical activities. The lead paint samples were submitted to Fiberquant for lead analysis by Flame Atomic Absorption (FAA). The PCB sample was submitted to Pace Analytical (Pace), a NELAC certified laboratory, for PCB analysis by EPA Method 8082.

PLM is the EPA recommended method for bulk sample analysis utilizing the unique optical and crystallographic properties for asbestos material identification purposes. These properties including: refractive indices, birefringence, sign of elongation, and extinction angle, are characteristically unique to each asbesti-form mineral and were used to identify asbestos types present in the samples.

Laboratory analytical results and copies of the chain-of-custody forms are included in Appendix B, Analytical Results and Chain-of-Custody Documentation. Laboratory and STRATA personnel certifications are included in Appendix C, Laboratory and Personnel Certificates.

REGULATORY DISCUSSION

Asbestos

Under current EPA, OSHA, and DEQ regulations, material containing greater than one percent asbestos (asbesti-form mineral) by weight is considered an ACM. Materials that have historically contained greater than one percent asbestos in their composition may either be classified as an assumed ACM, or be sampled by an AHERA accredited inspector and analyzed to determine the percentage by weight of asbestos contained in their composition and subsequently be classified as an ACM or non-ACM.

EPA NESHAPs regulations require identification, classification and strict consideration of existing building materials prior to beginning any renovation or demolition activity. NESHAPs regulations are concerned with regulated ACM (RACM) including: all friable ACM; Category I non-friable ACM that will be or has been subject to sanding, grinding, cutting, or abrading; Category II non-friable ACM that has become friable; and Category II non-friable ACM that has a high probability of becoming, or has become crumbled, pulverized, or reduced to a powder by forces expected to act on the material in the course of demolition or renovation activities. Category I non-friable ACMs include asbestos-containing packing, gaskets, resilient floor covering, asphalt roofing products, and pliable asbestos-containing sealants and mastics. Category II non-friable ACMs include any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure (e.g. asbestos cement products).

OSHA 29 CFR 1926.1101 Definitions

Class I asbestos work means activities involving the removal of TSI and surfacing ACM and PACM.

Class II asbestos work means activities involving the removal of ACM which is not thermal system insulation or surfacing material. This includes, but is not limited to, the removal of asbestos-containing wallboard, floor tile and sheeting, roofing and siding shingles, and construction mastics.

Class III asbestos work means repair and maintenance operations where asbestos is likely to be disturbed.



Class IV asbestos work means maintenance and custodial activities during which employees contact but do not disturb ACM or PACM and activities to clean up dust, waste and debris resulting from Class I, II, and III activities.

Lead-Based Paint

The U.S. Department of Housing and Urban Development (HUD) defined lead-based paint has a concentration of >1.0 milligram per centimeter squared [mg/cm^2] lead or >0.5% lead by weight (5,000 mg/kg). However, the OSHA Standard for Lead in the Construction Industry does not recognize a minimum acceptable concentration of lead. Consequently, all painted surfaces in which any detectable level of lead is present must be considered as having the potential to present an occupational exposure to lead to an employee engaged in OSHA-regulated construction work. The lead PEL has been established at 50 micrograms per cubic meter air ($50 \mu\text{g}/\text{m}^3$).

Based on the results of the survey and laboratory testing, several response actions are available for the LBP components. Responses are typically focused on eliminating or reducing lead hazards. Responses vary from removing the building component or abating the paint to interim controls that are designed to temporarily reduce human exposure or possible exposure to lead-based paint hazards.

Lead-Containing Paint Removal - If the building owner abates paint that contains lead prior to demolition, the removal should be completed by trained and qualified contractors. The contractor is responsible for exposure level monitoring, proper work area containment, and compliance with applicable OSHA regulations (OSHA Lead Standard, Code of Federal Regulations, 29 CFR Part 1926, Section 1926.62) and Oregon OSHA regulations (1926.62). Removal may create a hazardous waste and care should be exercised by the building owner/operator to select a qualified contractor to handle, test, and dispose the lead properly in accordance with federal, state, and local laws.

Lead-Containing Paint Disturbance - If painted surfaces that contain lead are disturbed through manual demolition, scraping, cutting, or torch burning, certain work practices must be implemented as defined by OSHA. Hot work, such as welding or torch cutting significantly increases the potential for exposure above the PEL. The OSHA Lead Standard and Oregon OSHA regulations include employee protection requirements for construction workers exposed to lead.

Construction tasks that disturb painted surfaces that contain any amount of lead trigger special protective measures for workers including respiratory protection; protective work clothing and equipment; change areas; hand washing facilities; training; posted signs; exposure monitoring; and initial medical surveillance from the start of work. These measures are required until and unless exposure assessment indicates that exposure levels warrant less protection. Alternatively, an exposure assessment may show that more protection is required.

Lead-Containing Paint Left In-Place - If lead-containing components were to remain in the facility, these components should be maintained in good repair.



PCB

In recent years, EPA has learned that caulk containing potentially harmful PCBs was used in many buildings, in the 1950s through the 1970s. In general, schools and buildings built after 1978 do not contain PCBs in caulk. On September 25, 2009, EPA announced new guidance for school administrators and building managers with important information about managing PCBs in caulk and tools to help minimize possible exposure.

Where schools or other buildings were constructed or renovated between 1950 and 1978, EPA recommends that PCB-containing caulk be removed during planned renovations and repairs (when replacing windows, doors, roofs, ventilation, etc.) It is critically important to assure that PCBs are not released to air during replacement or repair of caulk in affected buildings. Assessment of the building-specific ventilation system for potential contamination, proper cleaning when required, and isolation of the system to prevent further contamination are also important.

PCB-containing caulk is considered *PCB bulk product waste* if the concentration of PCBs in the caulk is greater than or equal to 50 parts per million (ppm). If PCBs have contaminated either the surrounding building materials or adjacent soil, these materials are considered *PCB remediation waste*. Disposal options for *PCB bulk product waste* include disposal in solid waste landfills or a risk-based option. Please note that a risk-based option (based on a site specific evaluation) requires you to obtain an approval from EPA based on a finding that the disposal will not present an unreasonable risk of injury to health or the environment. Disposal options for *PCB remediation waste* include self-implementing cleanup and disposal; performance-based disposal; and risk-based cleanup and disposal.

SUMMARY OF ANALYTICAL RESULTS

Asbestos Analytical Results

Homogeneous material M-VFT-001 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in the black mastic). This material is a 12"x12", beige vinyl floor tile with brown streaks and is located in Rooms 126 – the Athletics Office. The mastic is considered a NESHAP Category I material and will require removal using OSHA Class II methods. The quantity of this material is approximately 1,500 square feet.

Homogeneous material M-PAR-016 is a non-friable, undamaged parquet floor (2-5% chrysotile identified in the black mastic/coating layer). This material is located in in Room 104 – the Racket Ball Room. There is a cork base with a black coating (lab identified this as black mastic) underneath the parquet flooring. The mastic is considered a NESHAP Category I material and will require removal using OSHA Class II methods. The quantity of this material is approximately 5,000 square feet.

Homogeneous material M-CWT-018 is a non-friable, undamaged ceramic wall tile (>1-2% chrysotile identified in the remnant black mastic layer). This material is the 4"x4", white ceramic wall tile and 2"x2", blue ceramic wall tile located in the Men and Women's Restrooms on the first floor. The mastic is considered a NESHAP Category I material and will require removal using OSHA Class II methods. The quantity of this material is approximately 1,200 square feet.



Homogeneous material M-VFT-030 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in both the floor tile and the black mastic layers). This material is a 9"x9", green vinyl floor tile located underneath some of the carpet and linoleum flooring in Rooms 128 – Physical Therapy. The vinyl floor tile and mastic are considered NESHAP Category I materials and will require removal using OSHA Class II methods. Due to the limitations of our survey activities and the location of the vinyl floor tile located beneath the carpet and linoleum, the quantity of this material is unknown.

Homogeneous material M-VFT-031 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in both the floor tile and the black mastic layers). This material is a 9"x9", beige vinyl floor tile located in Room 128E – Physical Therapy Storage room. The vinyl floor tile and mastic are considered NESHAP Category I materials and will require removal using OSHA Class II methods. The quantity of this material is approximately 200 square feet.

Homogeneous material M-CFT-034 is a non-friable, undamaged ceramic floor tile (5-10% chrysotile identified in a remnant black mastic layer). This material is a 6"x6", beige ceramic floor tile with associated brown grout located in the North Entrance Vestibule. The vinyl floor tile and mastic are considered NESHAP Category I materials and will require removal using OSHA Class II methods. The quantity of this material is approximately 750 square feet.

Homogeneous material M-TRANS-036 is non-friable, undamaged transite panels (assumed to be asbestos-containing) located along the base of the windows on the exterior north side of the building. The transite panels are considered a NESHAP Category II material and will require removal using OSHA Class II methods. The quantity of this material is approximately 2,500 square feet.

The ACM locations are identified on Figure 3, Hazardous Materials Location Map, First Floor, Quinn Coliseum; Figure 4, Hazardous Materials Location Map, First Floor, Quinn Coliseum; and Figure 5, Hazardous Materials Location Map, Second Floor, Roof & Exterior, Quinn Coliseum. Photographs of these ACMs are provided on the photo sheet in Appendix A, Figures and Photographs.

Lead-Based Paint Analytical Results

HUD-defined lead-based paints (>1.0 milligram per centimeter squared [mg/cm^2] lead or >0.5% lead by weight) were identified within the limited survey area and include:

Lead-based paint (0.78% lead) was identified in the paint sample LBP-2 obtained from the white door paint located on the doors to Rooms 101E and 129 on the first floor.

Lead-based paint (1.7% lead) was identified in the paint sample LBP-5 obtained from the sage green door & door jamb paint located in the first floor supplies/former shower area and the Public Locker Rooms.

Lead-based paint (1.0% lead) was identified in the paint sample LBP-8 obtained from yellow door paint located in the Balcony area over the gym.



Lead-based paint (3.6% lead) was identified in the paint sample LBP-9 obtained from brown door jamb paint located in the Balcony area over the gym.

Lead-based paint (0.63% lead) was identified in the paint sample LBP-10 obtained from the light green concrete wall paint located in the Janitor's closets throughout the building.

Lead-containing paints (<1/0 mg/cm² or <0.5% lead by weight) were identified within the limited survey area and include:

Lead-containing paint (0.065% lead) was identified in the paint sample LBP-1 obtained from the white wall paint located throughout the building.

Lead-containing paint (0.0022% lead) was identified in the paint sample LBP-6 obtained from the light blue wall paint located in the pool area.

Lead-containing paint (0.019% lead) was identified in the paint sample LBP-7 obtained from the beige wall paint located throughout the building.

Lead-based and lead-containing paint locations are identified on Figure 4, Hazardous Materials Location Map, First Floor, Quinn Coliseum and Figure 5, Hazardous Materials Location Map, Second Floor, Roof & Exterior, Quinn Coliseum. Photographs of these materials are provided on the photo sheet in Appendix A, Figures and Photographs.

PCB Analytical Results

The results of the PCB sampling activities indicated the window caulk sample M-CAULK-037-PCB contained 868 ppm PCB, which is above the 50 ppm EPA regulatory limit. This window caulk is associated with the transite panels on the north side of the building.

PCB caulk locations are identified on Figure 5, Hazardous Materials Location Map, Second Floor, Roof & Exterior, Quinn Coliseum. A photograph of this material is provided on the photo sheet in Appendix A, Figures and Photographs.

EVALUATION LIMITATIONS

This letter is limited to the materials and activities described herein and is intended to aid in identifying ACMs, lead-based paint, and PCBs within the project area as specified by EOU. Electrical and energized systems were observed but not evaluated.

Destructive sampling was not part of STRATA's approved Scope. Asbestos materials may exist in areas inaccessible during the inspection, including but not limited to:

- ☞ Energized systems.
- ☞ Interstitial areas between walls, ceilings, and floors.
- ☞ Areas inaccessible without destructive sampling.
- ☞ Areas restricted by activity and use limitations.



STRATA endeavored to obtain bulk material samples from locations where visual impacts from the sampling activities would be less noticeable to the general public. Per our approved scope, repairing sampling locations was not required.

Our services consist of professional opinions made in accordance with generally accepted consulting and sampling principles and practices as they exist at the time of this letter, and in eastern Oregon. This acknowledgment is in lieu of all express or implied warranties. We prepared this letter for EOU's exclusive use; we cannot be responsible for any other use of this letter. This letter should be read and implemented in its entirety. Individual letter sections cannot be relied upon outside the context of the letter. The information is relevant to the dates of our site work, and should not be relied on to represent conditions at a substantially later date.

RECOMMENDATIONS AND CONCLUSIONS

Asbestos

A project competent person (AHERA Supervisor/Contractor) and asbestos-worker personnel trained per EPA's Model Accreditation Plan (MAP) will be required for the ACM abatement activities prior to building renovations. Removing these ACMs will be considered Class I & II asbestos abatement work per OSHA 29 CFR 1926.1101 and a containment area with sealed critical barriers, HEPA-filtered air, and wet methods should be utilized when removing these material. Oregon asbestos rules require written notification (10-day lead time) be given to DEQ when removing or encapsulating asbestos-containing material (OAR 340-248-0260). This notification must be submitted on DEQ forms and accompanied by the appropriate notification fee. If planned renovation activities disturb building materials that were not sampled as part of these project activities, the building materials must be assumed to be ACM and will require abatement.

Lead-Based Paint

The OSHA Standard for Lead in the Construction Industry does not recognize a minimum acceptable concentration of lead. Consequently, all painted surfaces in which any detectable level of lead is present must be considered as having the potential to present an occupational lead exposure to an employee engaged in OSHA-regulated construction work. EOU's General Contractor (Fortis) should conduct air sampling activities to monitor airborne lead concentrations and worker exposure to lead when lead-containing paint materials are disturbed during planned renovation activities. Removing the doors intact should not result in airborne lead concentrations exceeding the PEL, providing hot work (e.g. torch cutting/abrasive disk sawing) is not required for removal. Reusing or recycling the doors precludes RCRA disposal requirements.

PCB

The detected concentration of PCB in the window caulk associated with the transite panels on the north side of the building is above the EPA regulatory limit of 50 ppm, and special handling and/or disposal of this material as a PCB-containing waste is required in accordance with local, state and federal regulations (e.g. at a permitted landfill).

The Scope of Services for this project were limited to visual observation of suspect



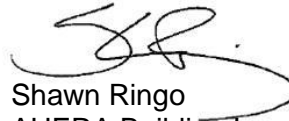
hazardous building materials (including asbestos, lead-based paint, and PCB), collecting bulk material samples, and reporting analytical test results as part of the inspection. EOU is responsible for identifying all appropriate federal, state, and local regulations, and ensuring that they are in compliance with said regulations.

We appreciate the opportunity to assist you on this project. If you have any questions, please contact the undersigned at 208-376-8200.

Sincerely,
STRATA, INC.



Cristina Brischler
AHERA Building Inspector
Environmental Department Manager

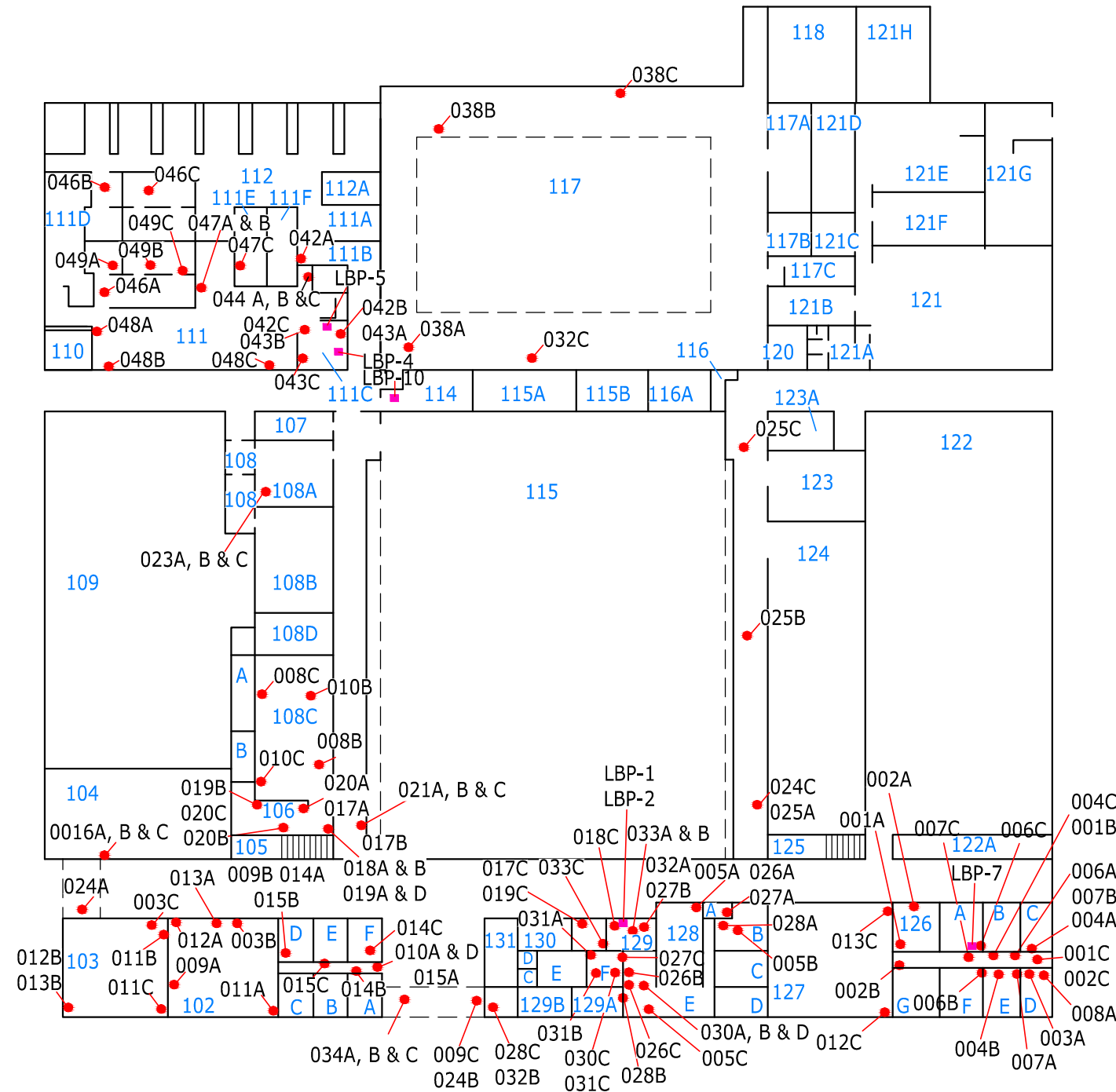
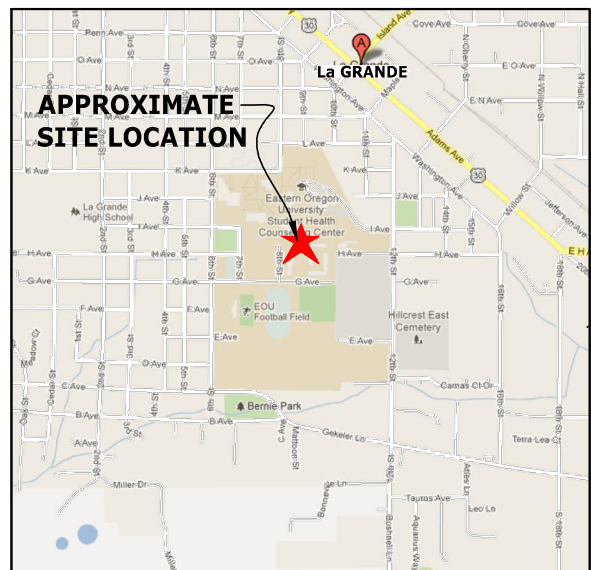


Shawn Ringo
AHERA Building Inspector
Northern Environmental Coordinator

Appendix: A – Figures, Photographs, and Tables
 B – Analytical Results and Chain-of-Custody Documentation
 C – Laboratory and Personnel Certificates



VICINITY MAP
NOT TO SCALE



- 001A** **LEGEND**
● Bulk Sample Location
 (Submitted for Asbestos Analysis)
■ Paint Sample Location
 (Submitted for Lead Analysis)

THIS PLAN COMPRISES A PORTION OF STRATA'S REPORT AND THE TEXT OF THE REPORT CONTAINS ESSENTIAL INFORMATION. BEFORE UTILIZING THIS PLAN FOR ANY PURPOSE WHATSOEVER, THE REPORT SHOULD BE READ COMPLETELY. THIS PLAN IS INTENDED TO HELP VISUALIZE THE INFORMATION PROVIDED IN THE REPORT. THESE LOCATIONS AND INFORMATION WERE ADDED TO EXISTING PLANS OF THE SITE PREVIOUSLY PREPARED BY OTHERS AND NO CHECK OF ACCURACY, CURRENCY, APPROPRIATENESS, ETC., OF INFORMATION PROVIDED BY OTHERS WAS PERFORMED, BECAUSE SUCH CHECKS WERE NOT PART OF STRATA'S SCOPE OF SERVICES.

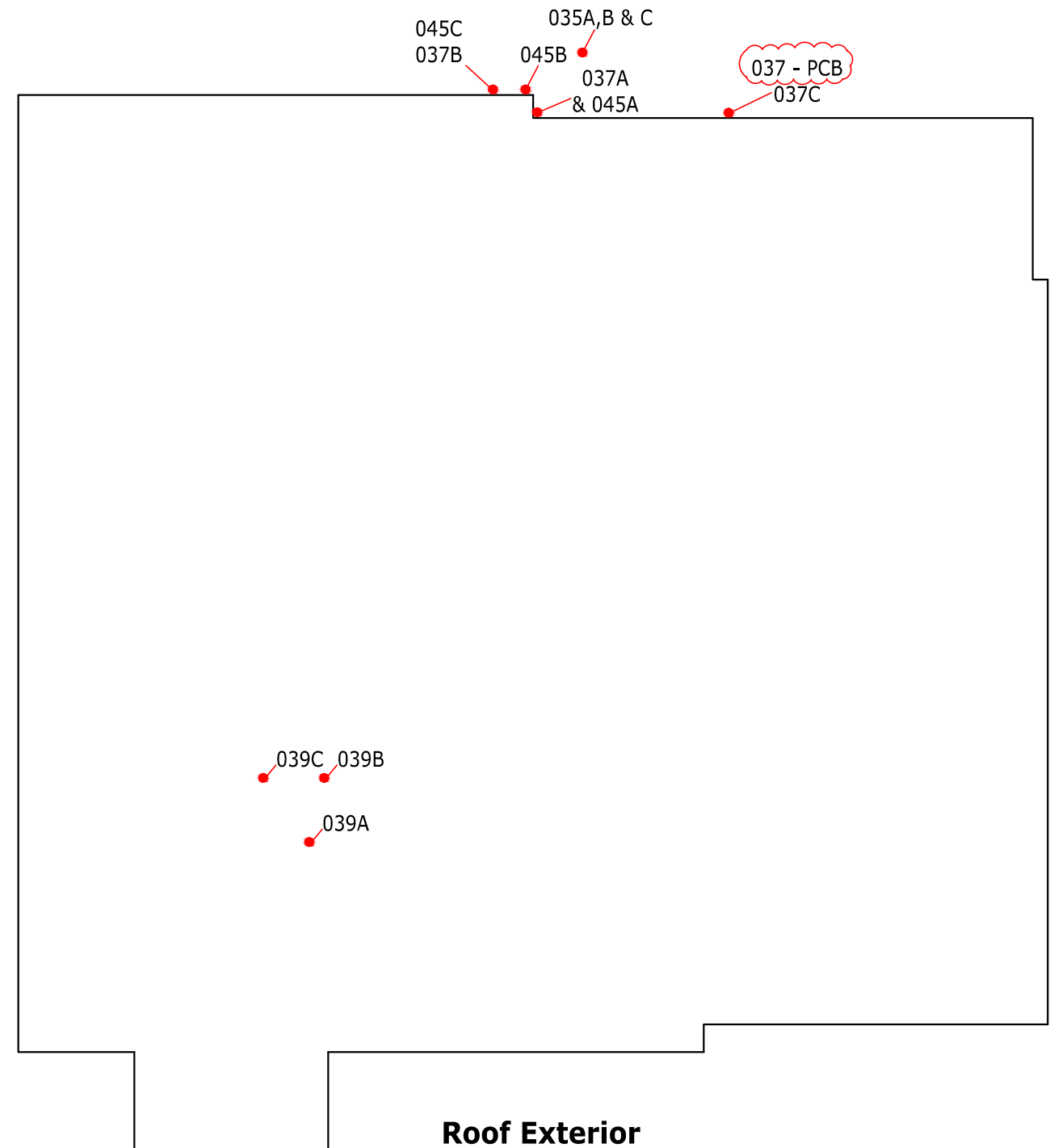
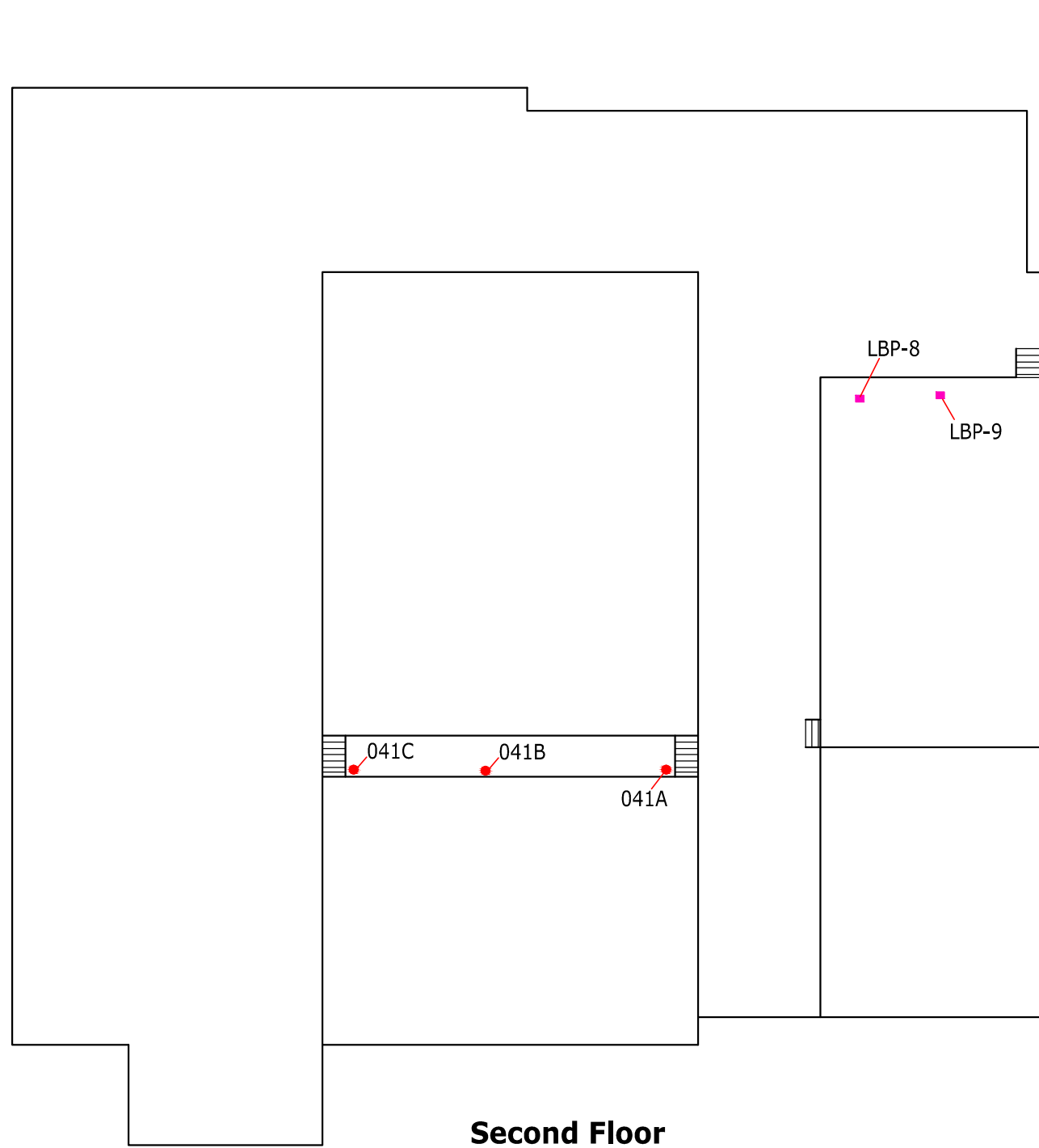


SAMPLE LOCATION MAP
First Floor, Quinn Coliseum
Eastern Oregon University
La Grande, Oregon

DRAWING DATE: 10-1-2012
 DRAWING BY: DMS CHECKED BY: CB

Not To Scale



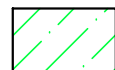


- 001A LEGEND**
- Bulk Sample Location
(Submitted for Asbestos Analysis)
 - Paint Sample Location
(Submitted for Lead Analysis)
 - 037 - PCB ● PCB

THIS PLAN COMPRISES A PORTION OF STRATA'S REPORT AND THE TEXT OF THE REPORT CONTAINS ESSENTIAL INFORMATION. BEFORE UTILIZING THIS PLAN FOR ANY PURPOSE WHATSOEVER, THE REPORT SHOULD BE READ COMPLETELY. THIS PLAN IS INTENDED TO HELP VISUALIZE THE INFORMATION PROVIDED IN THE REPORT. THESE LOCATIONS AND INFORMATION WERE ADDED TO EXISTING PLANS OF THE SITE PREVIOUSLY PREPARED BY OTHERS AND NO CHECK OF ACCURACY, CURRENCY, APPROPRIATENESS, ETC., OF INFORMATION PROVIDED BY OTHERS WAS PERFORMED, BECAUSE SUCH CHECKS WERE NOT PART OF STRATA'S SCOPE OF SERVICES.

| | | |
|-------------------------|--|--|
| | <p>SAMPLE LOCATION MAP Second Floor, Roof & Exterior Quinn Coliseum Eastern Oregon University La Grande, Oregon</p> | <p><i>A PROFESSIONAL SERVICES CORPORATION</i> <i>Integrity from the Ground Up</i></p> |
| DRAWING DATE: 10-1-2012 | Not To Scale | |
| DRAWING BY: DMS | CHECKED BY: CB | EOUORI ON12030A FIGURE: 2 |

Figure 3 - First Floor



Homogeneous material M-VFT-001 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in the black mastic). This material is a 12"x12", beige vinyl floor tile with brown streaks and is located in Rooms 126 - the Athletics Office.



Homogeneous material M-PAR-016 is a non-friable, undamaged parquet floor (2-5% chrysotile identified in the black mastic/coating layer). This material is the parquet flooring in Room 104 - the Racket Ball Room. There is a cork base with a black coating (lab identified this as black mastic) underneath the parquet flooring.



Homogeneous material M-CWT-018 is a non-friable, undamaged ceramic wall tile (>1-2% chrysotile identified in the remnant black mastic layer). This material is the 4"x4", white ceramic wall tile and 2"x2", blue ceramic wall tile located in the Men and Women's Restrooms on the first floor of the building.



Homogeneous material M-VFT-030 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in both the floor tile and the black mastic layers). This material is a 9"x9", green vinyl floor tile located underneath some of the carpet and linoleum flooring in Rooms 128 - Physical Therapy.



Homogeneous material M-VFT-031 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in both the floor tile and the black mastic layers). This material is a 9"x9", beige vinyl floor tile located in Room 128E - Physical Therapy Storage room.



Homogeneous material M-CFT-034 is a non-friable, undamaged ceramic floor tile (5-10% chrysotile identified in a remnant black mastic layer). This material is a 6"x6", beige ceramic floor tile with associated brown grout located in the North Entrance Vestibule.







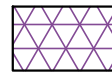

Note: It is the responsibility of the abatement contractor to confirm locations and quantities of hazardous materials.

Note: Thermal pipe insulation located throughout the building may contain asbestos. Some thermal pipe insulation are labeled with asbestos labels. Assume the thermal pipe insulation is asbestos - containing, even if it does not have a label.

| | | |
|--|--|--|
| | HAZARDOUS MATERIALS LOCATION MAP First Floor, Quinn Coliseum Eastern Oregon University La Grande, Oregon | A PROFESSIONAL SERVICES CORPORATION <i>Integrity from the Ground Up</i> |
| | DRAWING DATE: 10-1-2012 DRAWING BY: DMS CHECKED BY: CB | |

THIS PLAN COMPRISES A PORTION OF STRATA'S REPORT AND THE TEXT OF THE REPORT CONTAINS ESSENTIAL INFORMATION. BEFORE UTILIZING THIS PLAN FOR ANY PURPOSE WHATSOEVER, THE REPORT SHOULD BE READ COMPLETELY. THIS PLAN IS INTENDED TO HELP VISUALIZE THE INFORMATION PROVIDED IN THE REPORT. THESE LOCATIONS AND INFORMATION WERE ADDED TO EXISTING PLANS OF THE SITE PREVIOUSLY PREPARED BY OTHERS AND NO CHECK OF ACCURACY, CURRENCY, APPROPRIATENESS, ETC., OF INFORMATION PROVIDED BY OTHERS WAS PERFORMED, BECAUSE SUCH CHECKS WERE NOT PART OF STRATA'S SCOPE OF SERVICES.

Figure 4 - First Floor



-  Lead-containing paint (0.065% lead) was identified in the paint sample LBP-1 obtained from the white wall paint located throughout the building.
-  Lead-containing paint (0.0022% lead) was identified in the paint sample LBP-6 obtained from the light blue wall paint located in the pool area.
-  Lead-containing paint (0.019% lead) was identified in the paint sample LBP-7 obtained from the beige wall paint located throughout the building.
-  Lead-based paint (0.78% lead) was identified in the paint sample LBP-2 obtained from the white door paint located on at least two doors on the first floor.
-  Lead-based paint (1.7% lead) was identified in the paint sample LBP-5 obtained from the sage green door & door jamb paint located in the first floor supplies/former shower area and the Public Locker Rooms.
-  Lead-based paint (0.63% lead) was identified in the paint sample LBP-10 obtained from the light green concrete wall paint located in the Janitor's closets throughout the building.

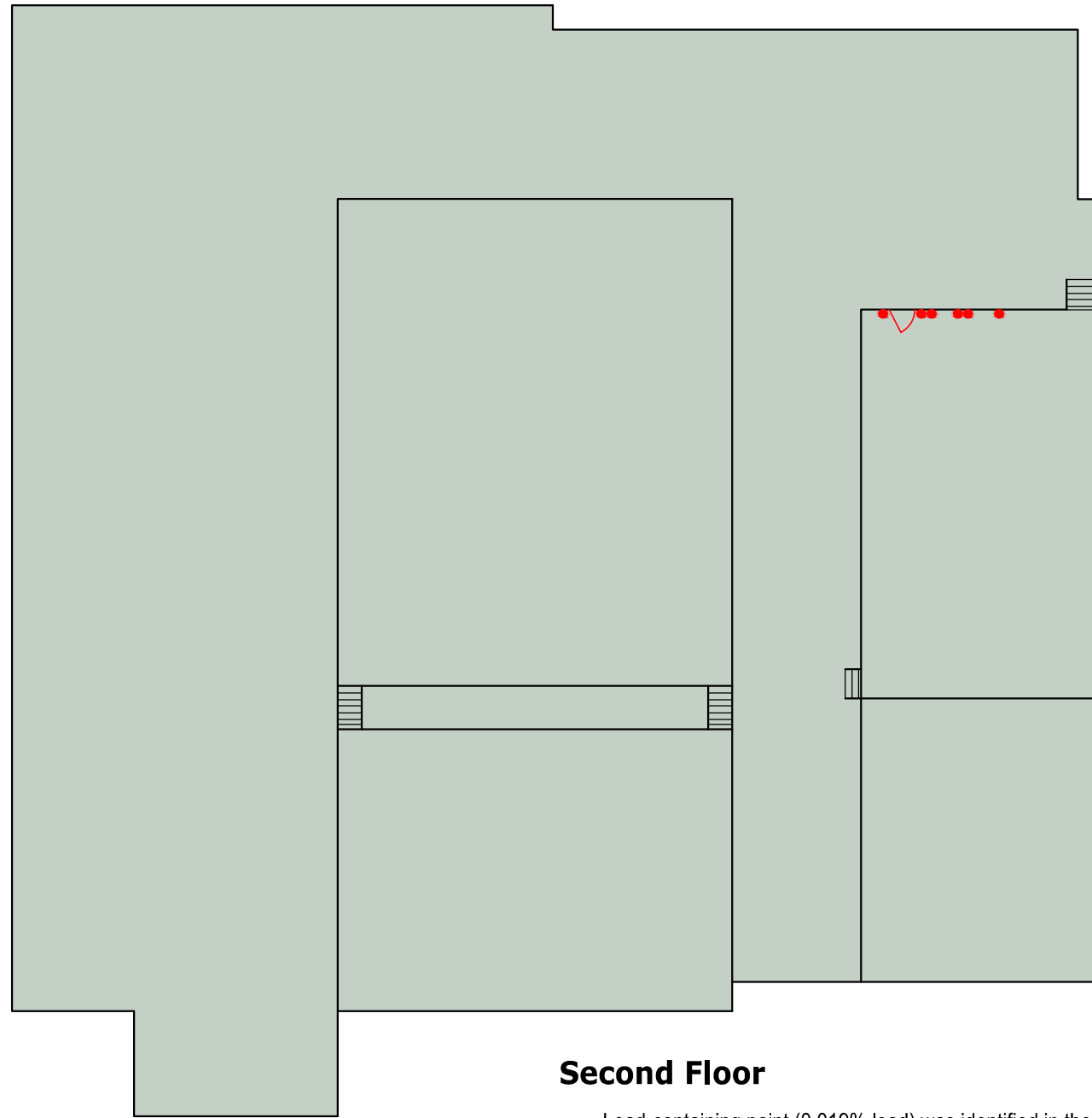


Note: It is the responsibility of the abatement contractor to confirm locations and quantities of hazardous materials.




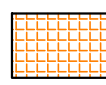
Note: Thermal pipe insulation located throughout the building may contain asbestos. Some thermal pipe insulation are labeled with asbestos labels. Assume the thermal pipe insulation is asbestos - containing, even if it does not have a label.

THIS PLAN COMPRISES A PORTION OF STRATA'S REPORT AND THE TEXT OF THE REPORT CONTAINS ESSENTIAL INFORMATION. BEFORE UTILIZING THIS PLAN FOR ANY PURPOSE WHATSOEVER, THE REPORT SHOULD BE READ COMPLETELY. THIS PLAN IS INTENDED TO HELP VISUALIZE THE INFORMATION PROVIDED IN THE REPORT. THESE LOCATIONS AND INFORMATION WERE ADDED TO EXISTING PLANS OF THE SITE PREVIOUSLY PREPARED BY OTHERS AND NO CHECK OF ACCURACY, CURRENCY, APPROPRIATENESS, ETC., OF INFORMATION PROVIDED BY OTHERS WAS PERFORMED, BECAUSE SUCH CHECKS WERE NOT PART OF STRATA'S SCOPE OF SERVICES.

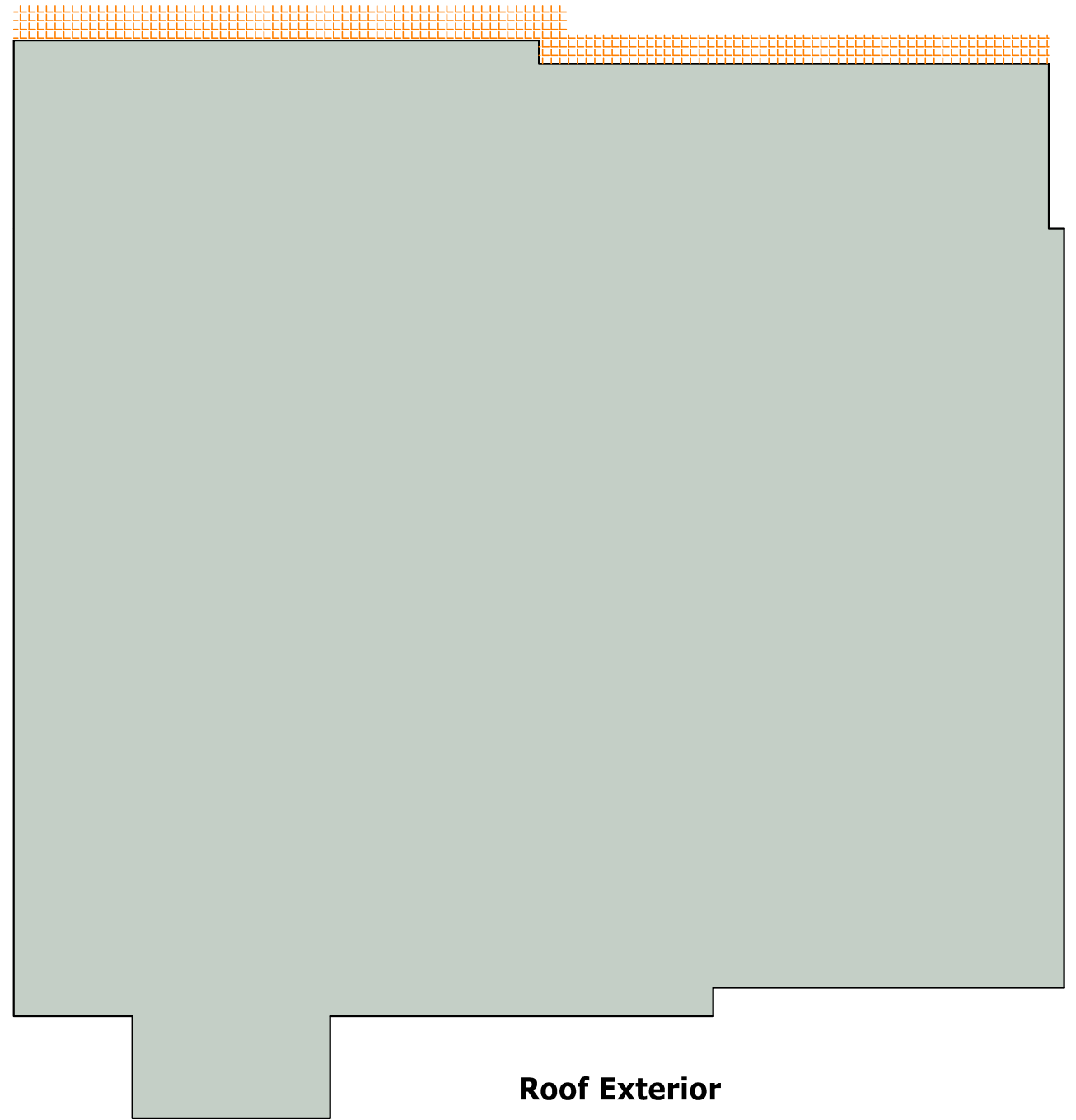
| | | |
|---|--|--|
|  | <p>HAZARDOUS MATERIALS LOCATION MAP First Floor, Quinn Coliseum Eastern Oregon University La Grande, Oregon</p> |  <p>STRATA A PROFESSIONAL SERVICES CORPORATION <i>Integrity from the Ground Up</i></p> |
| <p>DRAWING DATE: 10-1-2012</p> | <p>Not To Scale</p> | <p>EUORI ON12030A</p> |
| <p>DRAWING BY: DMS</p> | <p>CHECKED BY: CB</p> | <p>FIGURE: 4</p> |



Second Floor

-  Lead-containing paint (0.019% lead) was identified in the paint sample LBP-7 obtained from the beige wall paint located throughout the building.
-  Lead-based paint (1.0% lead) was identified in the paint sample LBP-8 obtained from yellow door paint located in the Balcony area over the gym.
-  Lead-based paint (3.6% lead) was identified in the paint sample LBP-9 obtained from brown door jamb paint located in the Balcony area over the gym.
-  PCB caulk (868 ppm PCB) was identified in the caulk sample M-CAULK-037-PCB. This window caulk is associated with the transite panels on the north side of the building.




Note: It is the responsibility of the abatement contractor to confirm locations and quantities of hazardous materials.





Roof Exterior

Note: Thermal pipe insulation located throughout the building may contain asbestos. Some thermal pipe insulation are labeled with asbestos labels. Assume the thermal pipe insulation is asbestos - containing, even if it does not have a label.

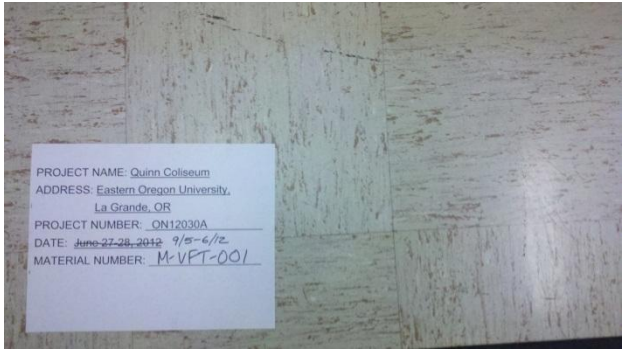


Figure 5 - Second Floor, Exterior and Roof

-  Homogeneous material M-TRANS-036 is non-friable, undamaged transite panels (assumed to be asbestos-containing) located along the base of the windows on the exterior north side of the building.
-  Lead-containing paint (0.065% lead) was identified in the paint sample LBP-1 obtained from the white wall paint located throughout the building.
-  Lead-containing paint (0.0022% lead) was identified in the paint sample LBP-6 obtained from the light blue wall paint located in the pool area.

THIS PLAN COMPRISES A PORTION OF STRATA'S REPORT AND THE TEXT OF THE REPORT CONTAINS ESSENTIAL INFORMATION. BEFORE UTILIZING THIS PLAN FOR ANY PURPOSE WHATSOEVER, THE REPORT SHOULD BE READ COMPLETELY. THIS PLAN IS INTENDED TO HELP VISUALIZE THE INFORMATION PROVIDED IN THE REPORT. THESE LOCATIONS AND INFORMATION WERE ADDED TO EXISTING PLANS OF THE SITE PREVIOUSLY PREPARED BY OTHERS AND NO CHECK OF ACCURACY, CURRENCY, APPROPRIATENESS, ETC., OF INFORMATION PROVIDED BY OTHERS WAS PERFORMED, BECAUSE SUCH CHECKS WERE NOT PART OF STRATA'S SCOPE OF SERVICES.

| | | |
|---|---|--|
|  | <p>HAZARDOUS MATERIALS LOCATION MAP Second Floor, Roof & Exterior Quinn Coliseum Eastern Oregon University La Grande, Oregon</p> |  <p>STRATA A PROFESSIONAL SERVICES CORPORATION <i>Integrity from the Ground Up</i></p> |
| DRAWING DATE: 10-1-2012 | Not To Scale | EQUORI ON12030A |
| DRAWING BY: DMS | CHECKED BY: CB | FIGURE: 5 |

Photographs
 Limited Hazardous Materials Building Survey
 Quinn Coliseum
 Eastern Oregon University, La Grande, Oregon
 EOUORI ON12030A

| | |
|---|---|
|  | <p>Photograph 1: Homogeneous material M-VFT-001 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in the black mastic). This material is a 12"x12", beige vinyl floor tile with brown streaks and is located in Rooms 126 – the Athletics Office. The mastic is considered a NESHAP Category I material and will require removal using OSHA Class II methods. The quantity of this material is approximately 1,500 square feet.</p> |
|  | <p>Photograph 2: Homogeneous material M-PAR-016 is a non-friable, undamaged parquet floor (2-5% chrysotile identified in the black mastic/coating layer). This material is the parquet flooring in Room 104 – the Racket Ball Room. There is a cork base with a black coating (lab identified this as black mastic) underneath the parquet flooring. The mastic is considered a NESHAP Category I material and will require removal using OSHA Class II methods. The quantity of this material is approximately 5,000 square feet.</p> |
|  | <p>Photograph 3: Homogeneous material M-CWT-018 is a non-friable, undamaged ceramic wall tile (>1-2% chrysotile identified in the remnant black mastic layer). This material is the 4"x4", white ceramic wall tile and 2"x2", blue ceramic wall tile located in the Men and Women's Restrooms on the first floor of the building. The mastic is considered a NESHAP Category I material and will require removal using OSHA Class II methods. The quantity of this material is approximately 1,200 square feet.</p> |

Photographs
Limited Hazardous Materials Building Survey
Quinn Coliseum
Eastern Oregon University, La Grande, Oregon
EOURI ON12030A



Photograph 4: Homogeneous material M-VFT-030 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in both the floor tile and the black mastic layers). This material is a 9"x9", green vinyl floor tile located underneath some of the carpet and linoleum flooring in Rooms 128 – Physical Therapy. The vinyl floor tile and mastic are considered NESHAP Category I materials and will require removal using OSHA Class II methods. Due to the limitations of our survey activities and the location of the vinyl floor tile located beneath the carpet and linoleum, the quantity of this material is unknown.



Photograph 5: Homogeneous material M-VFT-031 is a non-friable, undamaged vinyl floor tile with associated mastic (5-10% chrysotile identified in both the floor tile and the black mastic layers). This material is a 9"x9", beige vinyl floor tile located in Room 128E – Physical Therapy Storage room. The vinyl floor tile and mastic are considered NESHAP Category I materials and will require removal using OSHA Class II methods. The quantity of this material is approximately 200 square feet.

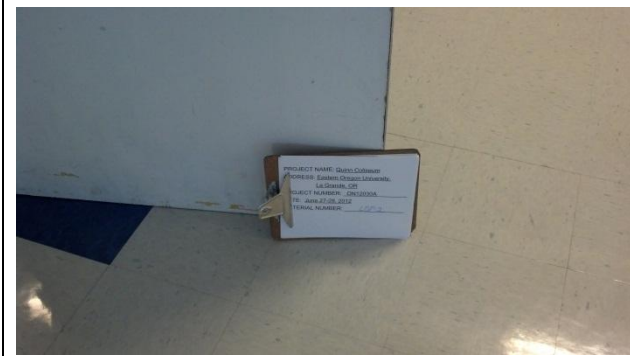


Photograph 6: Homogeneous material M-CFT-034 is a non-friable, undamaged ceramic floor tile (5-10% chrysotile identified in a remnant black mastic layer). This material is a 6"x6", beige ceramic floor tile with associated brown grout located in the North Entrance Vestibule. The vinyl floor tile and mastic are considered NESHAP Category I materials and will require removal using OSHA Class II methods. The quantity of this material is approximately 750 square feet.

Photographs
Limited Hazardous Materials Building Survey
Quinn Coliseum
Eastern Oregon University, La Grande, Oregon
EOURI ON12030A



Photograph 7: Homogeneous material M-TRANS-036 is non-friable, undamaged transite panels (assumed to be asbestos-containing) located along the base of the windows on the exterior north side of the building. The transite panels are considered a NESHAP Category II material and will require removal using OSHA Class II methods. The quantity of this material is approximately 2,500 square feet.



Photograph 8: Lead-based paint (0.78% lead) was identified in the paint sample LBP-2 obtained from the white door paint located on the doors to Rooms 101E and 129 on the first floor.



Photograph 9: Lead-based paint (1.7% lead) was identified in the paint sample LBP-5 obtained from the sage green door & door jamb paint located in the first floor supplies/former shower area and the Public Locker Rooms.

Photographs
Limited Hazardous Materials Building Survey
Quinn Coliseum
Eastern Oregon University, La Grande, Oregon
EOURI ON12030A



Photograph 10: Lead-based paint (1.0% lead) was identified in the paint sample LBP-8 obtained from yellow door paint located in the Balcony area over the gym.



Photograph 11: Lead-based paint (3.6% lead) was identified in the paint sample LBP-9 obtained from brown door jamb paint located in the Balcony area over the gym.



Photograph 12: Lead-based paint (0.63% lead) was identified in the paint sample LBP-10 obtained from the light green concrete wall paint located in the Janitor's closets throughout the building.



Photograph 13: Lead-containing paint (0.065% lead) was identified in the paint sample LBP-1 obtained from the white wall paint located throughout the building.

Photographs
Limited Hazardous Materials Building Survey
Quinn Coliseum
Eastern Oregon University, La Grande, Oregon
EOUORI ON12030A



Photograph 14: Lead-containing paint (0.0022% lead) was identified in the paint sample LBP-6 obtained from the light blue wall paint located in the pool area.



Photograph 15: Lead-containing paint (0.019% lead) was identified in the paint sample LBP-7 obtained from the beige wall paint located throughout the building.



Photograph 16: The results of the PCB sampling activities indicated the window caulk sample M-CAULK-037-PCB contained 868 ppm PCB, which is above the 50 ppm EPA regulatory limit. This window caulk is associated with the transite panels on the north side of the building.

Table 1 - Homogeneous Material Summary Table
 Limited Hazardous Building Materials Survey
 Quinn Coliseum
 Eastern Oregon University, La Grande, Oregon

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|---|--|------------------------|-------------------------|-----------------------|-----------------|--------------------------------|--|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-VFT-001 | Vinyl Floor Tile and Mastic, 12"x 12", beige with brown streaks | Rooms 126 - Athletics Office, Hallway, Copier Room | Good | Non-friable | 1,500 SF ⁵ | M-VFT-001A | Off-white floor tile | NAD ⁴ |
| | | | | | | | Black mastic | 5-10% Chrysotile |
| | | | | | | M-VFT-001B | Off-white floor tile | NAD |
| | | | | | | | Yellow mastic | NAD |
| | | | | | | | Black mastic | 5-10% Chrysotile |
| | | | | | | M-VFT-001C | Off-white floor tile | NAD |
| | | | | | | | Yellow mastic | NAD |
| | | | | | | | Black mastic | 5-10% Chrysotile |
| | | | | | | M-CBM-002 | Covebase and Mastic, 4", brown | Rooms 126 - Athletics Office, Hallway, Copier Room |
| Brown mastic | NAD | | | | | | | |
| M-CBM-002B | Brown covebase | NAD | | | | | | |
| | Brown mastic | NAD | | | | | | |
| M-CBM-002C | Brown covebase | NAD | | | | | | |
| | Brown mastic | NAD | | | | | | |
| M-CBM-003 | Covebase and Mastic, 4", blue | Rooms 101F, 102, 103, and 126D | Good | Non-friable | 20 SF | M-CBM-003A | Blue covebase | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | M-CBM-003B | Blue covebase | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | | Brown mastic | NAD |
| | | | | | | M-CBM-003C | Blue covebase | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | | Brown mastic | NAD |
| | | | | | | | | |
| M-CBM-004 | Covebase and Mastic, 4", dark beige | Rooms 126B, 126C, and 126E | Good | Non-friable | 10 SF | M-CBM-004A | Off-white mastic | NAD |
| | | | | | | | Off-white covebase | NAD |
| | | | | | | | Brown Mastic | NAD |
| | | | | | | M-CBM-004B | Off-white base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | M-CBM-004C | Off-white base cove | NAD |
| | | | | | | | Off-white mastic | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|---|--|------------------------|-------------------------|----------|-----------------|-----------------|--|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-CPT-005 | Carpet, blue | Rooms 101C, 126D, 126F, 126G, 128B, 128C, 128D, and the custodian room 129 | Good | Non-friable | 1,800 SF | M-CPT-005A | Various carpet | NAD |
| | | | | | | | Tan mastic | NAD |
| | | | | | | M-CPT-005B | Various carpet | NAD |
| | | | | | | | Tan mastic | NAD |
| | | | | | | M-CPT-005C | Various carpet | NAD |
| | | | | | | | Tan mastic | NAD |
| M-CPT-006 | Carpet, brown | Rooms 126B, 126C, and 126E | Good | Non-friable | 600 SF | M-CPT-006A | Various carpet | NAD |
| | | | | | | | M-CPT-006B | Various carpet |
| | | | | | | M-CPT-006B | Tan mastic | NAD |
| | | | | | | | M-CPT-006C | Various carpet |
| | | | | | | M-CPT-006C | Tan mastic | NAD |
| | | | | | | | M-WS-007 | Wall system, white and blue in room 126D, beige in remainder, smooth texture |
| White texture/joint compound | <=1% Chrysotile | | | | | | | |
| Tan paper cardboard | NAD | | | | | | | |
| Drywall core | NAD | | | | | | | |
| M-WS-007B | Off-white paint | NAD | | | | | | |
| | White texture/joint compound | <=1% Chrysotile | | | | | | |
| | Tan paper cardboard | NAD | | | | | | |
| | White drywall core | NAD | | | | | | |
| M-WS-007C | Off-white paint | NAD | | | | | | |
| | White texture/joint compound | <=1% Chrysotile | | | | | | |
| | Tan paper cardboard | NAD | | | | | | |
| | White drywall core | NAD | | | | | | |
| M-CONC-008 | Concrete Wall System, white or beige, sandy texture | Rooms 108, 126C, and 126D | Good | Non-friable | 3,000 SF | M-CONC-008A | Off-white paint | NAD |
| | | | | | | | M-CONC-008B | Off-white paint |
| | | | | | | M-CONC-008B | Gray concrete | NAD |
| | | | | | | | M-CONC-008C | Off-white paint |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|---|---|------------------------|-------------------------|----------|-----------------|---------------------------|--------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-ACP-009 | Acoustical Ceiling Panels, white, 3'x 8' | Rooms 101A, 101B, 101C, 101D, 101E, 101F, 102, 103 and adjacent hallway, 126C, 128, and 129 | Good | Friable | 3,500 SF | M-ACP-009A | Off-white paint | NAD |
| | | | | | | | Tan acoustical tile | NAD |
| | | | | | | M-ACP-009B | Off-white paint | NAD |
| | | | | | | | Tan acoustical tile | NAD |
| | | | | | | M-ACP-009C | Off-white paint | NAD |
| | | | | | | | Tan acoustical tile | NAD |
| M-ACP-010 | Acoustical Ceiling Panels, 2'x 4', pinhole plus worm patterns | Room 108, Hallway in Room 126, Hallway to Room 101 | Good | Non-friable | 1,200 SF | M-ACP-010A | Off-white paint | NAD |
| | | | | | | | Off-white acoustical tile | NAD |
| | | | | | | M-ACP-010B | Off-white paint | NAD |
| | | | | | | | Off-white acoustical tile | NAD |
| | | | | | | M-ACP-010C | Off-white paint | NAD |
| | | | | | | | Off-white acoustical tile | NAD |
| | | | | | | M-ACP-010D | Off-white paint | NAD |
| | | | | | | | Off-white acoustical tile | NAD |
| M-ACT-011 | Acoustical Ceiling Tile, 1'x 1', deep fissure and pinhole pattern | Rooms 102 and 103 on wall, Room 126 on ceiling | Good | Friable | 750 SF | M-ACT-011A | White paint | NAD |
| | | | | | | | Off-white acoustical tile | NAD |
| | | | | | | | Brown mastic | NAD |
| | | | | | | | Off-white paint | NAD |
| | | | | | | | Off-white plaster | NAD |
| | | | | | | M-ACT-011B | White paint | NAD |
| | | | | | | | Off-white acoustical tile | NAD |
| | | | | | | | Brown mastic | NAD |
| | | | | | | M-ACT-011C | Off-white paint | NAD |
| | | | | | | | White paint | NAD |
| | | | | | | | Off-white acoustical tile | NAD |
| | | | | | | | Brown mastic | NAD |
| | Off-white paint | NAD | | | | | | |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|---|---|------------------------|-------------------------|----------|------------------|----------------------------------|---|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-CPT-012 | Carpet and Mastic, gray | Rooms 102, 103, 108, 123, 127, and 129 | Good | Non-friable | 1,200 SF | M-CPT-012A | Various carpet | NAD |
| | | | | | | | Tan mastic | NAD |
| | | | | | | M-CPT-012B | Various carpet | NAD |
| | | | | | | | Tan mastic | NAD |
| | | | | | | M-CPT-012C | Various carpet | NAD |
| | | | | | | | Tan mastic | NAD |
| M-WS-013 | Wall System (associated with M-CONC-008 areas - white), sandy texture | Rooms 102, 103, 108, 124, 126, and 127 | Good | Non-friable | 6,000 SF | M-WS-013A | Off-white paint | NAD |
| | | | | | | | White plaster (top coat) | NAD |
| | | | | | | M-WS-013B | Off-white paint | NAD |
| | | | | | | | White plaster (top coat) | NAD |
| | | | | | | | Off-white plaster (scratch coat) | NAD |
| | | | | | | M-WS-013C | Off-white paint | NAD |
| | | | | | | | Tan paper/ cardboard | NAD |
| | | | | | | | White plaster (top coat) | NAD |
| | | | | | | M-CPT-014 | Carpet and Mastic, blue-gray | Rooms 101A, 101B, 101D, 101E, 101F, and Hallway |
| Tan mastic | NAD | | | | | | | |
| M-CPT-014B | Various carpet | NAD | | | | | | |
| | Tan mastic | NAD | | | | | | |
| M-CPT-014C | Various carpet | NAD | | | | | | |
| M-CBM-015 | Cove Base and Mastic, 4", black | Rooms 101A, 101B, 101C, 101D, 101E, 101F, 108, 124, and hallways throughout | Good | Non-friable | 50 SF | | | |
| | | | | | | Off-white mastic | NAD | |
| | | | | | | Off-white mastic | NAD | |
| | | | | | | M-CBM-015B | Blue paint | NAD |
| | | | | | | | Black base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | M-CBM-015C | Blue paint | NAD |
| | | | | | | | Black base cove | NAD |
| | | | | | | | Off-white mastic | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|----------------------------------|-----------------------------------|------------------------|-------------------------|----------|-----------------|-----------------------------|-----------------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-PAR-016 | Parquet Flooring Mastic | Room 104 | Good | Non-friable | 5,000 SF | M-PAR-016A | Yellow polymer | NAD |
| | | | | | | | Black mastic | 2-5% Chrysotile |
| | | | | | | | Brown cork | NAD |
| | | | | | | | Tan wood | NAD |
| | | | | | | M-PAR-016B | Yellow polymer | NAD |
| | | | | | | | Black mastic | 2-5% Chrysotile |
| | | | | | | | Brown cork | NAD |
| | | | | | | | Tan wood | NAD |
| | | | | | | M-PAR-016C | Yellow polymer | NAD |
| | | | | | | | Black mastic | 2-5% Chrysotile |
| | | | | | | | Brown cork | NAD |
| | | | | | | | Tan wood | NAD |
| M-CFT-017 | Ceramic Floor Tile, 2"x 2", blue | Men's and Women's Restroom floors | Good | Non-friable | 400 SF | M-CFT-017A | Blue ceramic | NAD |
| | | | | | | | White grout | NAD |
| | | | | | | | Gray mortar | NAD |
| | | | | | | M-CFT-017B | Blue ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| | | | | | | | Gray mortar | NAD |
| | | | | | | | Off-white leveling compound | NAD |
| | | | | | | M-CFT-017C | Blue ceramic | NAD |
| | | | | | | | Gray mortar | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | | | | | | |
|----------------------------------|--|----------------------------------|------------------------|-------------------------|----------|-----------------|-----------------------------|------------------|--|--|--|-------------|-----|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result | | | | | |
| M-CWT-018 | Ceramic Wall Tile, white 4"x 4" tile with blue 2"x 2" tile | Men's and Women's Restroom walls | Good | Non-friable | 1,200 SF | M-CWT-018A | White ceramic | NAD | | | | | |
| | | | | | | | White grout | NAD | | | | | |
| | | | | | | | Gray mortar | NAD | | | | | |
| | | | | | | | Off-white leveling compound | NAD | | | | | |
| | | | | | | | Black mastic | >1-2% Chrysotile | | | | | |
| | | | | | | M-CWT-018B | White ceramic | NAD | | | | | |
| | | | | | | | White grout | NAD | | | | | |
| | | | | | | | Gray mortar | NAD | | | | | |
| | | | | | | M-CWT-018C | Yellow masti | NAD | | | | | |
| | | | | | | | White ceramic | NAD | | | | | |
| | | | | | | | | | | | | Gray mortar | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|---|----------------------------------|------------------------|-------------------------|----------|-----------------|----------------------------------|--------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-WS-019 | Wall System, white, orange peel texture | Men's and Women's Restroom walls | Good | Non-friable | 2,400 SF | M-WS-019A | Off-white paint | NAD |
| | | | | | | | Off-white texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| | | | | | | M-WS-019B | Off-white paint | NAD |
| | | | | | | | Off-white texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| | | | | | | M-WS-019C | Off-white paint | NAD |
| | | | | | | | Off-white texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| | | | | | | M-WS-019D | Off-white paint | NAD |
| | | | | | | | Off-white texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|---|------------------------|------------------------|-------------------------|----------|-----------------|----------------------------------|--------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-CS-020 | Ceiling Support System, heavy knockdown texture | Men's Restroom ceiling | Good | Non-friable | 200 SF | M-CS-020A | Off-white paint | NAD |
| | | | | | | | Off-white texture/joint | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| | | | | | | M-CS-020B | Off-white paint | NAD |
| | | | | | | | Off-white texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| | | | | | | M-CS-020C | Off-white paint | NAD |
| | | | | | | | Off-white texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| M-ACT-021 | Acoustical Ceiling Tile, 1'x 1', even spread grid | East Hallway | Good | Friable | 800 SF | M-ACT-021A | Off-white paint | NAD |
| | | | | | | | Yellow acoustical tile | NAD |
| | | | | | | | Brown mastic | NAD |
| | | | | | | M-ACT-021B | Off-white paint | NAD |
| | | | | | | | Yellow acoustical tile | NAD |
| | | | | | | | Brown mastic | NAD |
| | | | | | | M-ACT-021C | Off-white paint | NAD |
| | | | | | | | Yellow acoustical tile | NAD |
| | | | | | | | Brown mastic | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|--|--|--|------------------------|-------------------------|-----------|-----------------|----------------------|--------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| Homogeneous material identifier 022 was not used in the field. | | | | | | | | |
| M-ACP-023 | Acoustical Ceiling Panel, 1'x 1', white, computer pattern grid | Room 106, Equipment Room, Southeast Hallway near pool entrance | Good | Friable | 600 SF | M-ACP-023A | Off-white paint | NAD |
| | | | | | | | Tan acoustical tile | NAD |
| | | | | | | | Brown glue | NAD |
| | | | | | | M-ACP-023B | Off-white paint | NAD |
| | | | | | | | Tan acoustical tile | NAD |
| | | | | | | | Brown glue | NAD |
| | | | | | | M-ACP-023C | Off-white paint | NAD |
| | | | | | | | Tan acoustical tile | NAD |
| | | | | | | | Brown glue | NAD |
| M-VFT-024 | Vinyl Floor Tile with Mastic, 12"x 12", white with blue flecks | Room 124, Hallways throughout | Good | Non-friable | 25,000 SF | M-VFT-024A | Blue floor tile | NAD |
| | | | | | | | Yellow mastic | NAD |
| | | | | | | | Off-white floor tile | NAD |
| | | | | | | | Yellow mastic | NAD |
| | | | | | | M-VFT-024B | Blue floor tile | NAD |
| | | | | | | | Yellow mastic | NAD |
| | | | | | | | Off-white floor tile | NAD |
| | | | | | | | Yellow mastic | NAD |
| | | | | | | M-VFT-024C | Blue floor tile | NAD |
| | | | | | | | Yellow mastic | NAD |
| | | | | | | | Off-white floor tile | NAD |
| | | | | | | | Yellow mastic | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | | | | | | |
|----------------------------------|---|--|------------------------|-------------------------|----------|-----------------|----------------------------------|--------------------|--|--|--|------------|-----|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result | | | | | |
| M-ACP-025 | Acoustical Ceiling Panel, 2'x 4', white, smooth texture | Room 124, West Hallway and North Stair Landing | Good | Friable | 2,000 SF | M-ACP-025A | White paint | NAD | | | | | |
| | | | | | | | Yellow acoustical tile | NAD | | | | | |
| | | | | | | | Tan paper/ cardboard | NAD | | | | | |
| | | | | | | | Silver foil | NAD | | | | | |
| | | | | | | M-ACP-025B | White paint | NAD | | | | | |
| | | | | | | | Yellow acoustical tile | NAD | | | | | |
| | | | | | | | Tan paper/ cardboard | NAD | | | | | |
| | | | | | | | Silver foil | NAD | | | | | |
| | | | | | | M-ACP-025C | White paint | NAD | | | | | |
| | | | | | | | Yellow acoustical tile | NAD | | | | | |
| | | | | | | | Tan paper/ cardboard | NAD | | | | | |
| | | | | | | | Silver foil | NAD | | | | | |
| M-LIN-026 | Linoleum Flooring, beige and gray, pebble texture | Room 128A (restroom), outside of Room 128E, and Room 129A (restroom) | Good | Non-friable | 300 SF | M-LIN-026A | Various sheet flooring surface | NAD | | | | | |
| | | | | | | | Off-white sheet flooring backing | NAD | | | | | |
| | | | | | | | Tan mastic | <=1% Chrysotile | | | | | |
| | | | | | | M-LIN-026B | Various sheet flooring surface | NAD | | | | | |
| | | | | | | | Off-white sheet flooring backing | NAD | | | | | |
| | | | | | | | Yellow mastic | NAD | | | | | |
| | | | | | | M-LIN-026C | Tan mastic | NAD | | | | | |
| | | | | | | | Various sheet flooring surface | NAD | | | | | |
| | | | | | | | Off-white sheet flooring backing | NAD | | | | | |
| | | | | | | | | | | | | Tan mastic | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|--|--------------------------------------|---|------------------------|-------------------------|----------|-----------------|------------------|---------------------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-CBM-027 | Cove Base and Mastic, brownish pink | Room 128A (restroom), Custodian Closet next to Room 128 | Good | Non-friable | 15 SF | M-CBM-027A | Purple base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | | Yellow mastic | NAD |
| | | | | | | M-CBM-027B | Purple base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | M-CBM-027C | Purple base cove | NAD |
| Brown mastic | NAD | | | | | | | |
| M-CBM-028 | Cove Base and Mastic, 4", light gray | Rooms 128 and 129 | Good | Non-friable | 15 SF | M-CBM-028A | Gray base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | M-CBM-028B | Gray base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | M-CBM-028C | Gray base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| Homogeneous material identifier 029 was not used in the field. | | | | | | | | |
| M-VFT-030 | Vinyl Floor Tile, 9"x 9", green | Room 128 underneath M-LIN-026 and M-CPT-005 | Good | Non-friable | Unknown | M-VFT-030A | Green floor tile | 5-10% Chrysotile |
| | | | | | | | Black mastic | 5-10% Chrysotile |
| | | | | | | M-VFT-030B | Green floor tile | 5-10% Chrysotile |
| | | | | | | | Black mastic | 5-10% Chrysotile |
| | | | | | | M-VFT-030C | Green floor tile | 5-10% Chrysotile |
| | | | | | | | Black mastic | 5-10% Chrysotile |
| | | | | | | M-VFT-030D | Green floor tile | 5-10% Chrysotile |
| | | | | | | | Black mastic | 5-10% Chrysotile |

| Homogeneous Material Information | | | | | | Analytical Data | | | | | | | | |
|----------------------------------|---|-----------------------|------------------------|-------------------------|----------|-----------------|----------------------------------|--|------|-------------|----------|-----------|----------------------------|-----|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result | | | | | | |
| M-VFT-031 | Vinyl Floor Tile, 9"x 9", beige, smooth texture | Room 128E | Good | Non-friable | 200 SF | M-VFT-031A | Tan floor tile | 5-10% Chrysotile | | | | | | |
| | | | | | | | Black mastic | 5-10% Chrysotile | | | | | | |
| | | | | | | M-VFT-031B | Tan floor tile | 5-10% Chrysotile | | | | | | |
| | | | | | | | Black mastic | 5-10% Chrysotile | | | | | | |
| | | | | | | M-VFT-031C | Tan floor tile | 5-10% Chrysotile | | | | | | |
| | | | | | | | Black mastic | 5-10% Chrysotile | | | | | | |
| | | | | | | M-WS-032 | Wall System, light sandy texture | Rooms 128 and 129, Custodian, Pool Area, Pool Balcony Area | Good | Non-friable | 5,000 SF | M-WS-032A | Off-white paint | NAD |
| | | | | | | | | | | | | | White plaster (top coat) | NAD |
| | | | | | | | | | | | | | Tan plaster (scratch coat) | NAD |
| Tan paper/ cardboard | NAD | | | | | | | | | | | | | |
| Drywall core | NAD | | | | | | | | | | | | | |
| M-WS-032B | Off-white paint | NAD | | | | | | | | | | | | |
| | White plaster (top coat) | NAD | | | | | | | | | | | | |
| | Tan plaster (scratch coat) | NAD | | | | | | | | | | | | |
| M-WS-032C | Various paint | NAD | | | | | | | | | | | | |
| | Gray stucco | NAD | | | | | | | | | | | | |

| Homogeneous Material Information | | | | | | Analytical Data | | | | | | | | |
|----------------------------------|---|---|------------------------|-------------------------|----------|-----------------|---|-----------------------------------|------|-------------|----------|---|-------------------|---------------------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result | | | | | | |
| M-ACT-033 | Acoustical Ceiling Tile, 1'x 1', brown mastic, smooth texture | Custodian Room next to Room 128, Women's Restroom | Good | Friable | 350 SF | M-ACT-033A | White surface | NAD | | | | | | |
| | | | | | | | Yellow acoustical tile | NAD | | | | | | |
| | | | | | | | Tan glue | NAD | | | | | | |
| | | | | | | M-ACT-033B | White surface | NAD | | | | | | |
| | | | | | | | Yellow acoustical tile | NAD | | | | | | |
| | | | | | | | Tan glue | NAD | | | | | | |
| | | | | | | M-ACT-033C | White surface | NAD | | | | | | |
| | | | | | | | Yellow acoustical tile | NAD | | | | | | |
| | | | | | | | Tan glue | NAD | | | | | | |
| | | | | | | M-CFT-034 | Ceramic Floor Tile, 6"x 6", beige with dark brown grout | North Entrance Vestibule on floor | Good | Non-friable | 750 SF | M-CFT-034A | Black mastic | 5-10% Chrysotile |
| | | | | | | | | | | | | | Tan ceramic | NAD |
| | | | | | | | | | | | | | Gray mortar | NAD |
| M-CFT-034B | Black mastic | 5-10% Chrysotile | | | | | | | | | | | | |
| | Tan ceramic | NAD | | | | | | | | | | | | |
| | Gray mortar | NAD | | | | | | | | | | | | |
| M-CFT-034C | Tan ceramic | NAD | | | | | | | | | | | | |
| | Gray mortar | NAD | | | | | | | | | | | | |
| M-CWT-035 | Ceramic Wall Tile, 1"x 1", multi-beige | North Entrance Exterior on west wall | Good | Non-friable | 1,500 SF | | | | | | | M-CWT-035A | Off-white ceramic | NAD |
| | | | | | | | | | | | | | Gray grout | NAD |
| | | | | | | | | | | | | | Tan ceramic | NAD |
| | | | | | | | | | | | | M-CWT-035B | Off-white ceramic | NAD |
| | | | | | | Gray grout | NAD | | | | | | | |
| | | | | | | M-CWT-035C | Off-white ceramic | NAD | | | | | | |
| | | | | | | | Gray grout | NAD | | | | | | |
| | | | | | | M-TRANS-036 | Transite Panels | Lower Portion of Exterior Windows | Good | Non-friable | 2,500 SF | This material is assumed to be asbestos-containing. | | |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|--|--|---|------------------------|-------------------------|----------|-----------------|------------------------|------------------------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-CAULK-037 | Caulk, thin, gray | Lower Portion of Exterior Windows associated with M-TRANS-036 | Good | Non-friable | < 5 SF | M-CAULK-037A | Off-white paint | NAD |
| | | | | | | | Clear sealant | NAD |
| | | | | | | M-CAULK-037B | Off-white paint | NAD |
| | | | | | | | Clear sealant | NAD |
| | | | | | | | Black Sealant | NAD |
| | | | | | | M-CAULK-037C | Tan sealant | NAD |
| M-CFT-038 | Ceramic Floor Tile, 1"x 1", multi-colored, rough texture | Pool Area decking | Good | Non-friable | 3,000 SF | M-CFT-038A | Off-white ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| | | | | | | M-CFT-038B | Off-white ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| | | | | | | M-CFT-038C | Off-white ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| M-ROOF-039 | Roofing, mopped tar with gravel | Roof, above North Entrance Vestibule | Good | Friable | 8,000 SF | M-ROOF-039A | Black roof ply/bitumen | NAD |
| | | | | | | | Tan plaster | NAD |
| | | | | | | | M-ROOF-039B | Black roof ply/bitumen |
| | | | | | | Tan plaster | NAD | |
| | | | | | | M-ROOF-039C | Black roof ply/bitumen | NAD |
| | | | | | | | Tan plaster | NAD |
| Homogeneous material identifier 040 was not used in the field. | | | | | | | | |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|---|--|------------------------|-------------------------|----------|-----------------|------------------------------|--------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-WS-041 | Wall System, white, smooth texture | Pool Balcony, on south wall | Good | Non-friable | 3,000 SF | M-WS-041A | Off-white paint | NAD |
| | | | | | | | White texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| | | | | | | M-WS-041B | Off-white paint | NAD |
| | | | | | | | White texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| | | | | | | M-WS-041C | Off-white paint | NAD |
| | | | | | | | White texture/joint compound | NAD |
| | | | | | | | Tan paper/cardboard | NAD |
| | | | | | | | White drywall core | NAD |
| M-CWT-042 | Ceramic Wall Tile, 4"x 8", light green sometimes painted white with white grout | Storage, Men's and Women's Public Locker Rooms, on walls | Good | Non-friable | 2,500 SF | M-CWT-042A | White ceramic | NAD |
| | | | | | | | White grout | NAD |
| | | | | | | M-CWT-042B | White ceramic | NAD |
| | | | | | | | White grout | NAD |
| | | | | | | M-CWT-042C | White ceramic | NAD |
| | | | | | | | White grout | NAD |
| M-CFT-043 | Ceramic Floor Tile, octagonal 1"x 1", light brown with brown grout | Storage Room (back room) | Good | Non-friable | 150 SF | M-CFT-043A | Tan ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| | | | | | | M-CFT-043B | Tan ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| | | | | | | M-CFT-043C | Tan ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| M-CFT-044 | Ceramic Floor Tile, 2"x 2", brown with dark brown grout | Storage Room, Men's and Women's Public Restrooms | Good | Non-friable | 3,000 SF | M-CFT-044A | Tan ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| | | | | | | M-CFT-044B | Tan ceramic | NAD |
| | | | | | | | Gray grout | NAD |
| | | | | | | M-CFT-044C | Tan ceramic | NAD |
| | | | | | | | Gray grout | NAD |

| Homogeneous Material Information | | | | | | Analytical Data | | | | | | | | |
|----------------------------------|---|--|------------------------|-------------------------|----------|------------------|---|--|------|-------------|----------|------------|-----------------|-----|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result | | | | | | |
| M-WG-045 | Window Glazing | Exterior, north side of building | Damaged | Non-friable | < 5 SF | M-WG-045A | White surface | NAD | | | | | | |
| | | | | | | | Gray putty | <=1% Chrysotile | | | | | | |
| | | | | | | M-WG-045B | White surface | NAD | | | | | | |
| | | | | | | | Gray putty | <=1% Chrysotile | | | | | | |
| | | | | | | M-WG-045C | White surface | NAD | | | | | | |
| | | | | | | | Gray putty | <=1% Chrysotile | | | | | | |
| | | | | | | M-CFT-046 | Ceramic Floor Tile, 2"x 2" beige tiles, 1"x 2" green tiles with brown grout | Men's and Women's Public Locker Rooms, on floors | Good | Non-friable | 5,000 SF | M-CFT-046A | Green tile | NAD |
| | | | | | | | | | | | | | Tan tile | NAD |
| | | | | | | | | | | | | M-CFT-046B | Tan tile | NAD |
| Gray grout | NAD | | | | | | | | | | | | | |
| Gray mortar | NAD | | | | | | | | | | | | | |
| M-CFT-046C | Tan tile | NAD | | | | | | | | | | | | |
| | Gray grout | NAD | | | | | | | | | | | | |
| M-CWT-047 | Ceramic Wall Tile, 4"x 4", white and green, glassy finish | Men's and Women's Public Locker Room, on walls | Good | Non-friable | 3,000 SF | | | | | | | M-CWT-047A | White tile | NAD |
| | | | | | | | | | | | | | Off-white grout | NAD |
| | | | | | | Off-white mortar | NAD | | | | | | | |
| | | | | | | Green tile | NAD | | | | | | | |
| | | | | | | Off-white grout | NAD | | | | | | | |
| | | | | | | Off-white mastic | NAD | | | | | | | |
| | | | | | | M-CWT-047B | White tile | NAD | | | | | | |
| | | | | | | | Off-white grout | NAD | | | | | | |
| | | | | | | | Off-white mortar | NAD | | | | | | |
| | | | | | | | Green tile | NAD | | | | | | |
| | | | | | | M-CWT-047C | Off-white grout | NAD | | | | | | |
| | | | | | | | Off-white mastic | NAD | | | | | | |
| | | | | | | | White tile | NAD | | | | | | |
| | | | | | | | Off-white grout | NAD | | | | | | |
| | | | | | | | Off-white mortar | NAD | | | | | | |

| Homogeneous Material Information | | | | | | Analytical Data | | |
|----------------------------------|--|--|------------------------|-------------------------|----------|-----------------|------------------|--------|
| Homogeneous Material | Description | Location ¹ | Condition ² | Friability ³ | Quantity | Sample Number | Layer | Result |
| M-CBM-048 | Cove Base and Mastic, 4", green | Men's and Women's Public Locker Rooms | Good | Non-friable | 500 SF | M-CBM-048A | Green base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | M-CBM-048B | Green base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| | | | | | | M-CBM-048C | Green base cove | NAD |
| | | | | | | | Off-white mastic | NAD |
| M-CERCBM-049 | Ceramic Tile, 4"x 4" and 1"x 1", beige | Women's Public Locker Room, along shower gutters | Good | Non-friable | 300 SF | M-CERCBM-049A | Tan ceramic | NAD |
| | | | | | | | Off-white grout | NAD |
| | | | | | | M-CERCBM-049B | Tan ceramic | NAD |
| | | | | | | | Off-white grout | NAD |
| | | | | | | | Gray mastic | NAD |
| | | | | | | M-CERCBM-049C | Tan ceramic | NAD |
| | | | | | | | Off-white grout | NAD |
| | | | | | | | Gray mastic | NAD |

- Notes:
- ¹ The locations and amounts of suspect materials are approximate and based on initial field observations made during the sampling activities, prior to receipt of analytical results. It is the responsibility of the Contractor to verify the location and amounts of all materials.
 - ² Condition is either Good, Damaged, or Significantly Damaged
 - ³ Friable: Material that when dry can be crumbled, pulverized, or reduced to powder by hand pressure.
 - ⁴ NAD: No Asbestos Detected
 - ⁵ SF : square feet

September 19, 2012

Cristina Brischler
Strata
8653 W Hackamore Drive
Boise, ID 83709

RE: Project: ON12030A QuinnColiseumBldSurv
Pace Project No.: 10204955

Dear Cristina Brischler:

Enclosed are the analytical results for sample(s) received by the laboratory on September 11, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Michelle Hubbling

michelle.hubbling@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Page 1 of 7

CERTIFICATIONS

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Hawaii Certification #Pace

Idaho Certification #: MN00064

Illinois Certification #: 200011

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia/DCLS Certification #: 002521

Virginia/VELAP Certification #: 460163

Washington Certification #: C754

West Virginia Certification #: 382

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

Page 2 of 7

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------------|----------|----------|-------------------|------------|
| 10204955001 | M-Caulk-037-PCB | EPA 8082 | KL1 | 11 | PASI-M |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

Sample: M-Caulk-037-PCB **Lab ID: 10204955001** Collected: 09/06/12 00:00 Received: 09/11/12 09:55 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------|---------------|---|--------------|-----|----------------|----------------|------------|------|
| 8082 GCS PCB Soxtherm | | Analytical Method: EPA 8082 Preparation Method: EPA 3541 | | | | | | |
| PCB-1016 (Aroclor 1016) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | 868000 | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11096-82-5 | |
| PCB-1262 (Aroclor 1262) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 37324-23-5 | |
| PCB-1268 (Aroclor 1268) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11100-14-4 | |
| Surrogates | | | | | | | | |
| Tetrachloro-m-xylene (S) | 0 % | | 30-150 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 877-09-8 | S4 |
| Decachlorobiphenyl (S) | 0 % | | 30-150 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 2051-24-3 | S4 |

QUALITY CONTROL DATA

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

QC Batch: OEXT/19644

Analysis Method: EPA 8082

QC Batch Method: EPA 3541

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 10204955001

METHOD BLANK: 1284790

Matrix: Solid

Associated Lab Samples: 10204955001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| PCB-1016 (Aroclor 1016) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1221 (Aroclor 1221) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1232 (Aroclor 1232) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1242 (Aroclor 1242) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1248 (Aroclor 1248) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1254 (Aroclor 1254) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1260 (Aroclor 1260) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1262 (Aroclor 1262) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1268 (Aroclor 1268) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| Decachlorobiphenyl (S) | % | 88 | 30-150 | 09/14/12 12:29 | |
| Tetrachloro-m-xylene (S) | % | 33 | 30-150 | 09/14/12 12:29 | |

LABORATORY CONTROL SAMPLE & LCSD: 1284791

1284792

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| PCB-1016 (Aroclor 1016) | ug/kg | 667 | 633 | 616 | 95 | 92 | 65-125 | 3 | 20 | |
| PCB-1260 (Aroclor 1260) | ug/kg | 667 | 556 | 532 | 83 | 80 | 60-125 | 4 | 20 | |
| Decachlorobiphenyl (S) | % | | | | 97 | 85 | 30-150 | | | |
| Tetrachloro-m-xylene (S) | % | | | | 92 | 90 | 30-150 | | | |

QUALIFIERS

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: GCSV/10127

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---------------|------------------|------------------------|-----------------|--------------------------|-------------------------|
| 10204955001 | M-Caulk-037-PCB | EPA 3541 | OEXT/19644 | EPA 8082 | GCSV/10127 |

| | | | | | |
|---|-----------------------------|---|--------------------------------|---|------|
| Section A Required Client Information: | | Section B Required Project Information: | | Section C Invoice Information: | |
| Company: | Strata, Inc. | Report To: | Cristina Brischler | Attention: | same |
| Address: | 8653 W Hackamore Drive | Copy To: | | Company Name: | |
| | Boise, ID 83709 | Purchase Order No.: | ON12030A | Address: | |
| Email To: | cbfischer@stratageotech.com | Project Name: | Quinn Coliseum Building Survey | Pace Quote Reference: | |
| Phone: | 208-376-8200 | Fax: | 208-376-8201 | Pace Project Manager: | |
| Requested Due Date/ATI: | Normal | Project Number: | ON12030A | Pace Profile #: | |
| REGULATORY AGENCY | | REGULATORY AGENCY | | REGULATORY AGENCY | |
| <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER | | <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER | | <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER | |
| Site Location | | Site Location | | Site Location | |
| STATE: | | STATE: | | STATE: | |
| OR | | OR | | OR | |

| ITEM # | Section D Required Client Information | Valid Matrix Codes MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED | | | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | | Analysis Test | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|--------|--|--|-----------------------------|-----------|------|------|---------------------------|-----------------|---------------|--------------------------------|------------------|-----|------|---|---------------|-----------------------------------|-------------------------|----------------------------|
| | | | | DATE | TIME | DATE | | | TIME | H ₂ SO ₄ | HNO ₃ | HCl | NaOH | Na ₂ S ₂ O ₃ | | | | |
| 1 | M-Caulk-037-R3- 8888 CB | | G | 9/10/12 | NA | NA | NA | 1 | X | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | | RELINQUISHED BY / AFFILIATION | | DATE | | TIME | | ACCEPTED BY / AFFILIATION | | DATE | | TIME | | SAMPLE CONDITIONS | | | | | | | | | | | | | |
|---|--|---------------------------------|--|-----------------------|--|------|--|-----------------------------|--|---------|--|----------------------|--|-------------------|--|----------------------------|--|--|--|---|--|---------------------------------|--|-----------------------|--|--|--|
| | | Cristina | | 9-10-12 | | 0825 | | Cristina | | 9/11/12 | | 0855 | | Y N Y | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="4">SAMPLER NAME AND SIGNATURE</th> </tr> <tr> <td colspan="2">PRINT Name of SAMPLER: Cristina Brischler</td> <td colspan="2">DATE Signed (MM/DD/YY): 3/29/12</td> </tr> <tr> <td colspan="4">SIGNATURE of SAMPLER:</td> </tr> </table> | | | | | | | | | | | | | | | | SAMPLER NAME AND SIGNATURE | | | | PRINT Name of SAMPLER: Cristina Brischler | | DATE Signed (MM/DD/YY): 3/29/12 | | SIGNATURE of SAMPLER: | | | |
| SAMPLER NAME AND SIGNATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRINT Name of SAMPLER: Cristina Brischler | | DATE Signed (MM/DD/YY): 3/29/12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIGNATURE of SAMPLER: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temp in °C | | | | Received on Ice (Y/N) | | | | Custody Sealed Cooler (Y/N) | | | | Samples Intact (Y/N) | | | | | | | | | | | | | | | |



Document Name:
Sample Condition Upon Receipt Form
 Document No.:
F-MN-L-213-rev.04

Document Revised: 22Aug2012
 Page 1 of 1
 Issuing Authority:
 Pace Minnesota Quality Office

Sample Condition
 Upon Receipt

Client Name: Strata Project #: _____

WO#: **10204955**

 10204955

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Tracking Number: 8254 6829 7685

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No
 Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags None Other: _____ Temp Blank? Yes No

Thermometer Used: B88A912167504 80512447 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature: 0.8 Biological Tissue Frozen? Yes No Date and Initials of Person Examining Contents: 9/11/12 ch
 Temp should be above freezing to 6°C

Comments:

| | | |
|---|--|--|
| Chain of Custody Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name and/or Signature on COC? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72 hr)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. <u>baggie</u> |
| -Pace Containers Used? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered Volume Received for Dissolved Tests? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels Match COC? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes Date/Time/ID/Analysis Matrix: <u>SL</u> | | |
| All containers needing acid/base preservation have been checked? Noncompliances are noted in 13. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl |
| All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>12) | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Sample # |
| Exceptions: VOA, Collform, TOC, Oil and Grease, WI-DRO (water) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Initial when completed: _____ Lot # of added preservative: _____ |
| Headspace in VOA Vials (>6mm)? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Trip Blank Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 15. |
| Trip Blank Custody Seals Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): | | |

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: Date: 9/11/12
 Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Client: _____

Project #: _____

COC ID: _____

COC Page _____ of _____

| Sample Line Item | DP9H | AG1U | WG9U | JG9U | BP2N | BP2U | BP2S | BP3N | BP3U | BP3S | AG3S | AG1H | VG9M | VG9H | VG9U | Comments |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| 1 | 1 | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |

Container Codes:

| | | | | | | | |
|------|--------------------------------|------|------------------------------------|------|------------------------------|-------|-----------------------------|
| DG9H | 40mL HCL amber VOA vial | AF | Air Filter | BP1N | 1 liter HNO3 plastic | DG9P | 40mL TSP amber vial |
| AG1U | 1liter unpreserved amber glass | AG1H | 1 liter HCL amber glass | BP1S | 1 liter H2SO4 plastic | DG9S | 40mL H2SO4 amber vial |
| WG9U | 4oz clear soil jar | AG1S | 1 liter H2SO4 amber glass | BP1U | 1 liter unpreserved plastic | DG9T | 40mL Na Thio amber vial |
| R | tetra core kit | AG1T | 1 liter Na Thiosulfate amber glass | BP1Z | 1 liter NaOH, Zn, Ac | DG9U | 40mL unpreserved amber vial |
| BP2N | 500mL HNO3 plastic | AG2N | 500mL HNO3 amber glass | BP2A | 500mL NaOH, Asc Acid plastic | I | Wipe/Swab |
| BP2U | 500mL unpreserved plastic | AG2S | 500mL H2SO4 amber glass | BP2O | 500mL NaOH plastic | JG9U | 4oz unpreserved amber wide |
| BP2S | 500mL H2SO4 plastic | AG2U | 500mL unpreserved amber glass | BP2Z | 500mL NaOH, Zn Ac | U | Summa Can |
| BP3N | 250mL HNO3 plastic | AG3U | 250mL unpreserved amber glass | BP3A | 250mL NaOH, Asc Acid plastic | VG9H | 40mL HCL clear vial |
| BP3U | 250mL unpreserved plastic | BG1H | 1 liter HCL clear glass | BP3C | 250mL NaOH plastic | VG9T | 40mL Na Thio clear vial |
| BP3S | 250mL H2SO4 plastic | BG1S | 1 liter H2SO4 clear glass | BP3Z | 250mL NaOH, Zn Ac plastic | VG9U | 40mL unpreserved clear vial |
| AG3S | 250mL H2SO4 glass amber | BG1T | 1 liter Na Thiosulfate clear glass | C | Air Cassettes | VSG | Headspace septa vial & HCL |
| AG1S | 1 liter H2SO4 amber glass | BG1U | 1 liter unpreserved glass | DG9B | 40mL Na Bisulfate amber vial | W/GFX | 4oz wide jar w/hexane wipe |
| BP1U | 1 liter unpreserved plastic | BP1A | 1 liter NaOH, Asc Acid plastic | DG9M | 40mL MeOH clear vial | ZPLC | Ziploc Bag |



Atomic Absorption Spectrometer (AAS) Analysis of Paint

JobNumber: 201208687

Client: STRATA INC

8653 W HACKAMORE DR

BOISE, ID 83704-0000

Office Phone: (208) 376-8200

FAX: (208) 376-8201

Samples: 10 **AA** **Rec:** 9/11/2012 **Method:** Modified SW 846 3050b/7420 **Pb in paint by weight AA Analysis**

Client Job: Quinn Coliseum **PO Number:** ON12030A

Report Date: 9/13/2012 **Date Analyzed:** 9/13/2012 **Routing Number:** -

Method and Analysis Information: **Fiberquant Internal SOP:** AApw

The received samples were analyzed for Pb (total) using "Test Methods for Evaluating Solid Waste" (SW 846, December 1996 updates). The extraction/digestion method was SW 3050b. The analytical method is "flame atomic absorption, direct aspiration", SW 7420.. Briefly the procedures are as follows. The incoming paint samples are first homogenized by mixing and crushing. A sub-sample is weighed to 0.0001 gm into a 50ml centrifuge tube. To the run stream are added the quality assurance samples described below. Six mls of concentrated HNO3 and one ml of 30% H2O2 are added to each container. The tubes are capped and heated for 1 hour at 95 deg. C. After cooling, the contents of the centrifuge tube are brought up to exactly 25 mls, completing the digestion/extraction.

The sample and quality assurance extractions are then analyzed on a TJA M5 flame atomic absorption spectrometer. The wavelengths and other instrumental settings are set according to the manufacturer's recommendations, or as otherwise specified in the published method. Absorptions are recorded from sample and standard solutions. A calibration curve is fitted to at least three standard solutions, and the concentrations of the sample extracts are calculated from the curve. The ppm (ug/gm) and weight percent for each sample is calculated from the sub-sample weight, extract volume, and extract concentration.

The results from this analysis is generally compared to either the HUD guidelines, in which a sample is positive if it contains >0.5% (5000 ppm) Pb, or the Consumer Products Safety Commission (CPSC) limit, in which a paint or surface coating containing greater than 90 ppm is defined as lead-containing. The expected coefficient of variation for this method is approximately 20-30%. The results are reported to two significant figures. The Sample Reporting Limit (RL) listed below is twice the Sample Detection Limit, which is calculated for each sample from the experimentally determined Method Detection Limit. The limit of reliable quantitation is generally regarded as five to ten times the limit of detection. Therefore, samples smaller than 0.1 gm may give results too near the CPSC standard to be reliable. Problems in analysis or other information is provided in the "Analytical Notes" below. Blanks, if analyzed, are treated the same as samples and are not used for correcting non-blank results.

The following on-going quality assurance program was followed to ensure reproducible and dependable results: All analysts are degreed chemists trained extensively in-house for at least six months prior to un-supervised runs. Blank matrix samples are analyzed at a rate of 5% (at least one per run). Reference standards are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. Spiked matrix samples are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. Duplicate samples are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. For each instrumental run, the spectrometer is checked for sensitivity and stability. The calibration standards are made fresh weekly, and checked each run against a calibration verification standard from another source. All calculations are performed twice - once in a calibration spreadsheet, and once during the report generation, and also checked by hand. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. Fiberquant participates in the Environmental Lead Proficiency Analytical Testing (ELPAT) program, is accredited by AIHA-LAP, LLC for environmental lead in paint (Lab # 101593), and is recognized by the National Lead Laboratory Accreditation Program (NLLAP) for the analysis of Pb in paint. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

Calibration Curve:

Pb

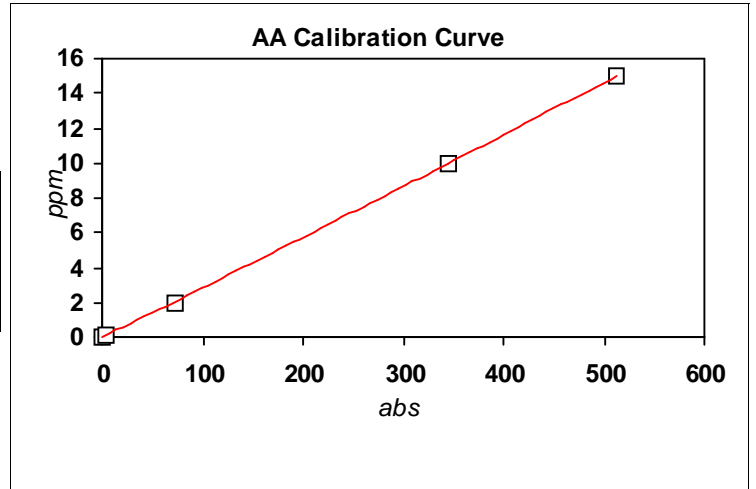
Run # 8814

9/13/2012

Instrument: M5-2

| Standards: | ppm | avg. mAbs. |
|------------|------|------------|
| 1 | 0.13 | 3 |
| 2 | 2 | 73 |
| 3 | 10 | 344 |
| 4 | 15 | 513 |

| | |
|-----|------------|
| ax2 | 0.00000186 |
| bx | 0.02832142 |
| c | -0.00298 |
| R2 | 0.9999466 |



Analysis Results:

Job Number: 201208687

AApw

| Lab Number | Client Number | Date | Condition | Weight (gm) | ug/ml | ml | Dil | Analyte | wt % | ppm | RL(ppm) |
|----------------|---------------|----------|------------|-------------|---------|----|-----|---------|---------|-------|---------|
| 2012-08687- 1 | LBP-1 | 9/6/2012 | acceptable | 0.2026 | 5.30014 | 25 | 1 | Pb | 0.065 | 650 | 16 |
| 2012-08687- 2 | LBP-2 | 9/6/2012 | acceptable | 0.2167 | 1.36073 | 25 | 50 | Pb | 0.78 | 7800 | 15 |
| 2012-08687- 3 | LBP-3 | 9/6/2012 | acceptable | 0.2109 | -0.003 | 25 | 1 | Pb | <0.0015 | <15 | 15 |
| 2012-08687- 4 | LBP-4 | 9/6/2012 | acceptable | 0.2071 | -0.003 | 25 | 1 | Pb | <0.0016 | <16 | 16 |
| 2012-08687- 5 | LBP-5 | 9/6/2012 | acceptable | 0.2551 | 3.56626 | 25 | 50 | Pb | 1.7 | 17000 | 13 |
| 2012-08687- 6 | LBP-6 | 9/6/2012 | acceptable | 0.2257 | 0.19536 | 25 | 1 | Pb | 0.0022 | 22 | 14 |
| 2012-08687- 7 | LBP-7 | 9/6/2012 | acceptable | 0.2193 | 1.64592 | 25 | 1 | Pb | 0.019 | 190 | 15 |
| 2012-08687- 8 | LBP-8 | 9/6/2012 | acceptable | 0.2035 | 1.70300 | 25 | 50 | Pb | 1 | 10000 | 16 |
| 2012-08687- 9 | LBP-9 | 9/6/2012 | acceptable | 0.0931 | 2.70434 | 25 | 50 | Pb | 3.6 | 36000 | 35 |
| 2012-08687- 10 | LBP-10 | 9/6/2012 | acceptable | 0.1692 | 0.84834 | 25 | 50 | Pb | 0.63 | 6300 | 19 |

Martin Esquer

Analyst: MARTIN A. ESQUER

Printed: 13-Sep-12

Original Print Date: 13-Sep-12

Larry S. Pierce

Larry S. Pierce, Approved Accreditation Signatory



Fiberquant Analytical Services 5025 S. 33rd St.,
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

Submitted by (Company) **Strata, Inc.**
 Address **8653 W Hackamore Drive**
 City, State, Zip Code **Boise, ID 83704**
 Phone **208-376-8200** FAX **208-376-8201**
 Email **cbrischler@stratageotech.com**

Invoice to (Company) **Strata, Inc.**
 Address **same**
 City, State, Zip Code
 Phone FAX

Contact (print) **Cristina Brischler**
 Sampled by (signature)
 Job Number or Project Name **Quinn Coliseum**
 PO Number **ON12030A**

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|---|--|-----------------------------------|-------------------------------------|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input type="checkbox"/> All <input type="checkbox"/> ATPF <input type="checkbox"/> | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: <u>Pb</u> Other <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 2-3 days <input checked="" type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> | | | | |
| | by Weight <input checked="" type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| Wipe <input type="checkbox"/> | | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|---------------|--|-------------|-------------|----------|
| 1) LBP-1 | white wall paint | 9/6/12 | | / |
| 2) LBP-2 | white door paint | | | |
| 3) LBP-3 | dark blue door paint | | | |
| 4) LBP-4 | dark green concrete floor paint | | | |
| 5) LBP-5 | Sage green door paint | | | |
| 6) LBP-6 | lt. blue wall paint | | | |
| 7) LBP-7 | beige wall paint | | | |
| 8) LBP-8 | (yellow) door paint | | | |
| 9) LBP-9 | brown door jamb paint | | | |
| 10) LBP-10 | lt. green concrete wall paint | | | |
| 11) | | | | |
| 12) | | | | |
| 13) | | | | |
| 14) | | | | |
| 15) | | | | |
| 16) | | | | |
| 17) | | | | |
| 18) | | | | |
| 19) | | | | |
| 20) | | | | |

| | | | | | |
|--|-----------------------|---------------------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 0852 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:42 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | Print Name FIX | Page 1 of 1 | | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208687 *[Signature]*



Polarized Light Microscope (PLM) Analysis for Asbestos in Bulk Sample

JobNumber: 201208688

Client:

STRATA INC

8653 W HACKAMORE DR

BOISE, ID 83704-0000

Office Phone: (208) 376-8200

FAX: (208) 376-8201

Samples: 139 **PLM** **Rec:** 9/11/2012 **Method:** EPA 600/R-93/116 **The "New" Method;** see below
Client Job: Quinn Coliseum **PO Number:** ON12030A
Report Date: 9/14/2012 **Date Analyzed:** 9/14/2012 **Routing Number:** -

Method and Analysis Information: **Fiberquant Internal SOP:** PLMn

Each bulk sample is first dissected under a 7-30x magnification stereo-microscope. This examination is used to determine the general type of sample, how many and what type of layers it has, and initial estimates of fiber types and quantities. Second, liquid media mounts are made of each layer - such mounts may be of selected fibers (used solely for identification purposes) or may be representative of the layer as a whole (used for quantitation purposes). The mounts may be made in a synthetic Canadian balsam, one of several solvents, or in refractive index oils (media of known refractive index). Generally, a variety of different mounts are made: some optimized for fiber visibility, some optimized for fiber identification, and some optimized for fiber quantitation. The mounted slides are then examined at 50-400x magnification on a Nikon Labphot-pol microscope. Optical characteristics are used to identify each observed fiber type; the optical data are contained for each sample on its detail analysis sheet, attached.

Current EPA and NESHAP regulations designate a result of $\leq 1\%$ asbestos as "negative" and $> 1\%$ asbestos as "positive". Samples containing layers that have been determined to be "positive" may have to be handled differently during a renovation or demolition than samples whose layers have been determined to be "negative."

The method of fiber identification and quantitation is the "Standard Operating Procedures for the Analysis of Asbestos in Bulk Samples using Polarized Light Microscopy", Chapter 7 of the Quality Assurance and Management Manual. This SOP and its associated reporting have been designed to satisfy all requirements in both EPA Method 600/M4-82-020 (The Interim Method) and EPA Method 600/R-93/116 (The New Method). The Interim Method is the required method for AHERA (US EPA 40 CFR Pt. 763), but this method calls for the reporting of composited results of multi-layered samples that is no longer an acceptable reporting practice in most circumstances. Current EPA rules, such as NESHAP (US EPA 40CFR Pt. 61), as well as NVLAP accreditation policies, call for separate reporting for each layer of multi-layered samples. The New Method contains the same procedures for identification and quantification of asbestos as does the Interim Method, except that multi-layered samples are reported to comply with the latest US EPA rule. Fiberquant not only reports the asbestos content of each layer of multi-layered samples separately (satisfying current EPA and NVLAP reporting requirements), but Fiberquant also reports what percentage of the sample each layer comprises. Therefore, the results may be arithmetically composited to satisfy the reporting requirements of the Interim Method. The method of fiber quantitation is an estimation technique in which the analysts quantitation is routinely calibrated by reference quantitation standards, and which has been shown to be equivalent in precision and accuracy to point counting. Friability is estimated for the purposes of deciding when to point count. Friabilities determined in the field take precedence over those determined in the laboratory. Those sample layers which are friable and estimated by the analyst to contain $\leq 1\%$ asbestos are point counted using 400 points. Such point counting is required by NESHAP (National Emission Standards for Hazardous Air Pollutants, Nov. 1990) in order to rely on analytical results that are $\leq 1\%$. The coefficient of variation for the estimation quantitation technique is 100% in the range 0-5%. This means that PLM analysis is not capable of conclusively determining whether a layer containing close to 1% asbestos is actually "positive" or "negative". For this reason, Fiberquant refers to results where asbestos was detected but $\leq 1\%$ as "borderline negative", and results where asbestos was $> 1\%$ but $\leq 2\%$ as "borderline positive" to indicate the uncertainty in assigning a "positive" or "negative" label. In the sample summary, "ND" means that no asbestos was detected during the analysis. A "Tr" or "Trace" of asbestos reported is defined for our purposes as the detection of several asbestos fibers during the analysis; this level would be right at the limit of detection for the method. Trace is only reported on the analysis detail - in the summary a trace would be reported as $\leq 1\%$. The limit of detection (the smallest % of asbestos that can be detected) varies greatly depending on the matrix in which the asbestos is found. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 1% stated in the method. During the analysis, the analyst, for Fiberquant identification purposes only, determines the "apparent sample type" and "apparent layer types." It must be emphasized that these types are only what is apparent. Often, different materials appear similar or identical after sampling, so the analyst may assign a type other than what was sampled.

Floor tiles present a special problem for PLM asbestos analysis. Floor tile can contain chrysotile fibers so thin that they cannot be resolved by optical methods. In such a case, we may observe a percentage of asbestos which is lower than the actual percentage, or not observe asbestos at all when some is present. For this reason, floor tiles reported as negative should be confirmed to be negative using transmission electron microscope (TEM) analysis. Likewise, vermiculite insulation materials containing traces of asbestiform asbestos present a problem for routine PLM analysis - the amphiboles are sometimes present in trace amounts inhomogeneously distributed. For this reason, loose vermiculite samples reported as negative should be confirmed to contain no amphibole using hydroseparation techniques.

The samples were analyzed under the following ongoing quality assurance program: Blank samples are routinely analyzed to maintain contamination-free materials. Each analyst has at least a bachelor's degree in physical science, and has also completed extensive training specific to asbestos analysis for 1-3 months before being allowed to analyze client samples. Qualitative reference samples are routinely analyzed to assure that analysts can identify asbestos and asbestos-look-alike fibers. Quantitative reference samples are routinely analyzed to calibrate and characterize the

estimation procedure. Microscope alignment is checked each day. Refractive index oils are calibrated at least quarterly. At least 10% of client samples are re-analyzed from scratch by a different analyst than the original, and any discrepancies are resolved for the sample and similar sample types before the results are reported. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. All analysts participate in interlab round robins and proficiency testing to assure competence. Fiberquant is accredited by NVLAP (Lab #101031) for the analysis of bulk samples for asbestos using PLM. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

Sample # M-ACP-040D was listed on client chain-of-custody but later removed. This sample was mistakenly added to job but not received.

PLM Analysis Summary:

Job Number: 201208688 Quinn Coliseum

| Sample Number | Lab Number | Apparent Sample Type * | Positive Layer Yes or No |
|-----------------------------------|----------------------------------|------------------------|--------------------------|
| Layer Color Apparent Layer Type * | Asbestos Results | | |
| Sample # M-VFT-001A | 2012-08688- 1 | Flooring | Positive Layer? Yes |
| Layer # 1 off-white floor tile | <i>no asbestos detected</i> | | |
| Layer # 2 black mastic | <i>5-10% chrysotile asbestos</i> | | |
| Sample # M-VFT-001B | 2012-08688- 2 | Flooring | Positive Layer? Yes |
| Layer # 1 off-white floor tile | <i>no asbestos detected</i> | | |
| Layer # 2 yellow mastic | <i>no asbestos detected</i> | | |
| Layer # 3 black mastic | <i>5-10% chrysotile asbestos</i> | | |
| Sample # M-VFT-001C | 2012-08688- 3 | Flooring | Positive Layer? Yes |
| Layer # 1 off-white floor tile | <i>no asbestos detected</i> | | |
| Layer # 2 yellow mastic | <i>no asbestos detected</i> | | |
| Layer # 3 black mastic | <i>5-10% chrysotile asbestos</i> | | |
| Sample # M-CBM-002A | 2012-08688- 4 | Miscellaneous | Positive Layer? No |
| Layer # 1 brown base cove | <i>no asbestos detected</i> | | |
| Layer # 2 brown mastic | <i>no asbestos detected</i> | | |
| Sample # M-CBM-002B | 2012-08688- 5 | Miscellaneous | Positive Layer? No |
| Layer # 1 brown base cove | <i>no asbestos detected</i> | | |
| Layer # 2 brown mastic | <i>no asbestos detected</i> | | |
| Sample # M-CBM-002C | 2012-08688- 6 | Miscellaneous | Positive Layer? No |
| Layer # 1 brown base cove | <i>no asbestos detected</i> | | |
| Layer # 2 brown mastic | <i>no asbestos detected</i> | | |
| Sample # M-CBM-003A | 2012-08688- 7 | Miscellaneous | Positive Layer? No |
| Layer # 1 blue base cove | <i>no asbestos detected</i> | | |
| Layer # 2 off-white mastic | <i>no asbestos detected</i> | | |
| Sample # M-CBM-003B | 2012-08688- 8 | Miscellaneous | Positive Layer? No |
| Layer # 1 blue base cove | <i>no asbestos detected</i> | | |
| Layer # 2 off-white mastic | <i>no asbestos detected</i> | | |
| Layer # 3 brown mastic | <i>no asbestos detected</i> | | |
| Sample # M-CBM-003C | 2012-08688- 9 | Miscellaneous | Positive Layer? No |
| Layer # 1 blue base cove | <i>no asbestos detected</i> | | |
| Layer # 2 off-white mastic | <i>no asbestos detected</i> | | |
| Layer # 3 brown mastic | <i>no asbestos detected</i> | | |
| Sample # M-CBM-004A | 2012-08688- 10 | Miscellaneous | Positive Layer? No |
| Layer # 1 off-white base cove | <i>no asbestos detected</i> | | |
| Layer # 2 off-white mastic | <i>no asbestos detected</i> | | |
| Layer # 3 brown mastic | <i>no asbestos detected</i> | | |
| Sample # M-CBM-004B | 2012-08688- 11 | Miscellaneous | Positive Layer? No |
| Layer # 1 off-white base cove | <i>no asbestos detected</i> | | |
| Layer # 2 off-white mastic | <i>no asbestos detected</i> | | |
| Sample # M-CBM-004C | 2012-08688- 12 | Miscellaneous | Positive Layer? No |
| Layer # 1 off-white base cove | <i>no asbestos detected</i> | | |
| Layer # 2 off-white mastic | <i>no asbestos detected</i> | | |
| Sample # M-CPT-005A | 2012-08688- 13 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | <i>no asbestos detected</i> | | |
| Layer # 2 tan mastic | <i>no asbestos detected</i> | | |
| Sample # M-CPT-005B | 2012-08688- 14 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | <i>no asbestos detected</i> | | |
| Layer # 2 tan mastic | <i>no asbestos detected</i> | | |
| Sample # M-CPT-005C | 2012-08688- 15 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | <i>no asbestos detected</i> | | |
| Layer # 2 tan mastic | <i>no asbestos detected</i> | | |
| Sample # M-CPT-006A | 2012-08688- 16 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | <i>no asbestos detected</i> | | |
| Sample # M-CPT-006B | 2012-08688- 17 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | <i>no asbestos detected</i> | | |
| Layer # 2 tan mastic | <i>no asbestos detected</i> | | |

| | | | | |
|----------|---------------------------|----------------|------------------------|------------------------------------|
| Sample # | <u>M-CPT-006C</u> | 2012-08688- 18 | Carpet | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-007A</u> | 2012-08688- 19 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | texture/joint compound | <i><=1% chrysotile asbestos</i> |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-007B</u> | 2012-08688- 20 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | texture/joint compound | <i><=1% chrysotile asbestos</i> |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-007C</u> | 2012-08688- 21 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | texture/joint compound | <i><=1% chrysotile asbestos</i> |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> |
| Sample # | <u>M-CONC-008A</u> | 2012-08688- 22 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| Sample # | <u>M-CONC-008B</u> | 2012-08688- 23 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | gray | concrete | <i>no asbestos detected</i> |
| Sample # | <u>M-CONC-008C</u> | 2012-08688- 24 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-009A</u> | 2012-08688- 25 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-009B</u> | 2012-08688- 26 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-009C</u> | 2012-08688- 27 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-010A</u> | 2012-08688- 28 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-010B</u> | 2012-08688- 29 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-010C</u> | 2012-08688- 30 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-010D</u> | 2012-08688- 31 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-011A</u> | 2012-08688- 32 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | brown | mastic | <i>no asbestos detected</i> |
| | Layer # 4 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 5 | off-white | plaster | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-011B</u> | 2012-08688- 33 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | brown | mastic | <i>no asbestos detected</i> |
| | Layer # 4 | off-white | paint | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-011C</u> | 2012-08688- 34 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | brown | mastic | <i>no asbestos detected</i> |
| | Layer # 4 | off-white | paint | <i>no asbestos detected</i> |
| Sample # | <u>M-CPT-012A</u> | 2012-08688- 35 | Carpet | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> |
| Sample # | <u>M-CPT-012B</u> | 2012-08688- 36 | Carpet | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> |
| Sample # | <u>M-CPT-012C</u> | 2012-08688- 37 | Carpet | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-013A</u> | 2012-08688- 38 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | plaster (top coat) | <i>no asbestos detected</i> |

| | | | | | | |
|----------|--------------------------|-----------|------------------------|-------------------------------------|--|---------------------|
| Sample # | <u>M-WS-013B</u> | | 2012-08688- 39 | Wall System | | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | white | plaster (top coat) | <i>no asbestos detected</i> | | |
| | Layer # 3 | off-white | plaster (scratch coat) | <i>no asbestos detected</i> | | |
| Sample # | <u>M-WS-013C</u> | | 2012-08688- 40 | Wall System | | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | tan | paper/cardboard | <i>no asbestos detected</i> | | |
| | Layer # 3 | white | plaster (top coat) | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CPT-014A</u> | | 2012-08688- 41 | Carpet | | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> | | |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CPT-014B</u> | | 2012-08688- 42 | Carpet | | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> | | |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CPT-014C</u> | | 2012-08688- 43 | Carpet | | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CBM-015A</u> | | 2012-08688- 44 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | black | base cove | <i>no asbestos detected</i> | | |
| | Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | | |
| | Layer # 3 | off-white | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CBM-015B</u> | | 2012-08688- 45 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | base cove | <i>no asbestos detected</i> | | |
| | Layer # 3 | off-white | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CBM-015C</u> | | 2012-08688- 46 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | base cove | <i>no asbestos detected</i> | | |
| | Layer # 3 | off-white | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-PAR-016A</u> | | 2012-08688- 47 | Flooring | | Positive Layer? Yes |
| | Layer # 1 | yellow | polymer | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | mastic | <i>2-5% chrysotile asbestos</i> | | |
| | Layer # 3 | brown | cork | <i>no asbestos detected</i> | | |
| | Layer # 4 | tan | wood | <i>no asbestos detected</i> | | |
| Sample # | <u>M-PAR-016B</u> | | 2012-08688- 48 | Flooring | | Positive Layer? Yes |
| | Layer # 1 | yellow | polymer | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | mastic | <i>2-5% chrysotile asbestos</i> | | |
| | Layer # 3 | brown | cork | <i>no asbestos detected</i> | | |
| | Layer # 4 | tan | wood | <i>no asbestos detected</i> | | |
| Sample # | <u>M-PAR-016C</u> | | 2012-08688- 49 | Flooring | | Positive Layer? Yes |
| | Layer # 1 | yellow | polymer | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | mastic | <i>2-5% chrysotile asbestos</i> | | |
| | Layer # 3 | brown | cork | <i>no asbestos detected</i> | | |
| | Layer # 4 | tan | wood | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CFT-017A</u> | | 2012-08688- 50 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CFT-017B</u> | | 2012-08688- 51 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | | |
| | Layer # 4 | off-white | leveling compound | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CFT-017C</u> | | 2012-08688- 52 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | gray | mortar | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CWT-018A</u> | | 2012-08688- 53 | Miscellaneous | | Positive Layer? Yes |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | | |
| | Layer # 4 | off-white | leveling compound | <i>no asbestos detected</i> | | |
| | Layer # 5 | black | mastic | <i>>1-2% chrysotile asbestos</i> | | |
| Sample # | <u>M-CWT-018B</u> | | 2012-08688- 54 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | | |
| | Layer # 4 | yellow | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CWT-018C</u> | | 2012-08688- 55 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | gray | mortar | <i>no asbestos detected</i> | | |
| Sample # | <u>M-WS-019A</u> | | 2012-08688- 56 | Wall System | | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | | |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | | |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> | | |

| | | | | |
|-----------|--------------------------|------------------------|-----------------------------|--------------------|
| Sample # | <u>M-WS-019B</u> | 2012-08688- 57 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-WS-019C</u> | 2012-08688- 58 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-WS-019D</u> | 2012-08688- 59 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-CS-020A</u> | 2012-08688- 60 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-CS-020B</u> | 2012-08688- 61 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-CS-020C</u> | 2012-08688- 62 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACT-021A</u> | 2012-08688- 63 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACT-021B</u> | 2012-08688- 64 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACT-021C</u> | 2012-08688- 65 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-023A</u> | 2012-08688- 66 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | glue | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-023B</u> | 2012-08688- 67 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | glue | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-023C</u> | 2012-08688- 68 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | glue | <i>no asbestos detected</i> | |
| Sample # | <u>M-VFT-024A</u> | 2012-08688- 69 | Flooring | Positive Layer? No |
| Layer # 1 | blue | floor tile | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | mastic | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | floor tile | <i>no asbestos detected</i> | |
| Layer # 4 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-VFT-024B</u> | 2012-08688- 70 | Flooring | Positive Layer? No |
| Layer # 1 | blue | floor tile | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | mastic | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | floor tile | <i>no asbestos detected</i> | |
| Layer # 4 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-VFT-024C</u> | 2012-08688- 71 | Flooring | Positive Layer? No |
| Layer # 1 | blue | floor tile | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | mastic | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | floor tile | <i>no asbestos detected</i> | |
| Layer # 4 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-025A</u> | 2012-08688- 72 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | silver | foil | <i>no asbestos detected</i> | |

| | | | | |
|-----------|-------------------|------------------------|------------------------------------|---------------------|
| Sample # | M-ACP-025B | 2012-08688- 73 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | silver | foil | <i>no asbestos detected</i> | |
| Sample # | M-ACP-025C | 2012-08688- 74 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | silver | foil | <i>no asbestos detected</i> | |
| Sample # | M-LIN-026A | 2012-08688- 75 | Flooring | Positive Layer? No |
| Layer # 1 | various | sheet flooring surface | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | sheet flooring backing | <i>no asbestos detected</i> | |
| Layer # 3 | tan | mastic | <i><=1% chrysotile asbestos</i> | |
| Sample # | M-LIN-026B | 2012-08688- 76 | Flooring | Positive Layer? No |
| Layer # 1 | various | sheet flooring surface | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | sheet flooring backing | <i>no asbestos detected</i> | |
| Layer # 3 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | M-LIN-026C | 2012-08688- 77 | Flooring | Positive Layer? No |
| Layer # 1 | tan | mastic | <i>no asbestos detected</i> | |
| Layer # 2 | various | sheet flooring surface | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | sheet flooring backing | <i>no asbestos detected</i> | |
| Layer # 4 | tan | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-027A | 2012-08688- 78 | Miscellaneous | Positive Layer? No |
| Layer # 1 | purple | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Layer # 3 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-027B | 2012-08688- 79 | Miscellaneous | Positive Layer? No |
| Layer # 1 | purple | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-027C | 2012-08688- 80 | Miscellaneous | Positive Layer? No |
| Layer # 1 | purple | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | brown | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-028A | 2012-08688- 81 | Miscellaneous | Positive Layer? No |
| Layer # 1 | gray | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-028B | 2012-08688- 82 | Miscellaneous | Positive Layer? No |
| Layer # 1 | gray | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-028C | 2012-08688- 83 | Miscellaneous | Positive Layer? No |
| Layer # 1 | gray | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | M-VFT-030A | 2012-08688- 84 | Flooring | Positive Layer? Yes |
| Layer # 1 | green | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-030B | 2012-08688- 85 | Flooring | Positive Layer? Yes |
| Layer # 1 | green | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-030C | 2012-08688- 86 | Flooring | Positive Layer? Yes |
| Layer # 1 | green | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-030D | 2012-08688- 87 | Flooring | Positive Layer? Yes |
| Layer # 1 | green | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-031A | 2012-08688- 88 | Flooring | Positive Layer? Yes |
| Layer # 1 | tan | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-031B | 2012-08688- 89 | Flooring | Positive Layer? Yes |
| Layer # 1 | tan | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-031C | 2012-08688- 90 | Flooring | Positive Layer? Yes |
| Layer # 1 | tan | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-WS-032A | 2012-08688- 91 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | white | plaster (top coat) | <i>no asbestos detected</i> | |
| Layer # 3 | tan | plaster (scratch coat) | <i>no asbestos detected</i> | |
| Layer # 4 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 5 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | M-WS-032B | 2012-08688- 92 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | white | plaster (top coat) | <i>no asbestos detected</i> | |
| Layer # 3 | tan | plaster (scratch coat) | <i>no asbestos detected</i> | |

| | | | | | |
|----------|----------------------------|-----------|-----------------|------------------------|----------------------------------|
| Sample # | <u>M-WS-032C</u> | | 2012-08688- 93 | Cementitious | Positive Layer? No |
| | Layer # 1 | various | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | stucco | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-033A</u> | | 2012-08688- 94 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | | surface | <i>no asbestos detected</i> |
| | Layer # 2 | yellow | | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | glue | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-033B</u> | | 2012-08688- 95 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | | surface | <i>no asbestos detected</i> |
| | Layer # 2 | yellow | | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | glue | <i>no asbestos detected</i> |
| | Layer # 4 | brown | | glue | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-033C</u> | | 2012-08688- 96 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | | surface | <i>no asbestos detected</i> |
| | Layer # 2 | yellow | | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | glue | <i>no asbestos detected</i> |
| | Layer # 4 | brown | | glue | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-034A</u> | | 2012-08688- 97 | Miscellaneous | Positive Layer? Yes |
| | Layer # 1 | black | | mastic | <i>5-10% chrysotile asbestos</i> |
| | Layer # 2 | tan | | ceramic | <i>no asbestos detected</i> |
| | Layer # 3 | gray | | mortar | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-034B</u> | | 2012-08688- 98 | Miscellaneous | Positive Layer? Yes |
| | Layer # 1 | black | | mastic | <i>5-10% chrysotile asbestos</i> |
| | Layer # 2 | tan | | ceramic | <i>no asbestos detected</i> |
| | Layer # 3 | gray | | mortar | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-034C</u> | | 2012-08688- 99 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | mortar | <i>no asbestos detected</i> |
| Sample # | <u>M-CWT-035A</u> | | 2012-08688- 100 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | ceramic | <i>no asbestos detected</i> |
| Sample # | <u>M-CWT-035B</u> | | 2012-08688- 101 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-CWT-035C</u> | | 2012-08688- 102 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-CAULK-037A</u> | | 2012-08688- 103 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | off-white | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | clear | | sealant | <i>no asbestos detected</i> |
| Sample # | <u>M-CAULK-037B</u> | | 2012-08688- 104 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | off-white | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | clear | | sealant | <i>no asbestos detected</i> |
| | Layer # 3 | black | | sealant | <i>no asbestos detected</i> |
| Sample # | <u>M-CAULK-037C</u> | | 2012-08688- 105 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | tan | | sealant | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-038A</u> | | 2012-08688- 106 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-038B</u> | | 2012-08688- 107 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-038C</u> | | 2012-08688- 108 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-ROOF-039A</u> | | 2012-08688- 109 | Roofing | Positive Layer? No |
| | Layer # 1 | black | | roof ply/bitumen | <i>no asbestos detected</i> |
| | Layer # 2 | tan | | plaster | <i>no asbestos detected</i> |
| Sample # | <u>M-ROOF-039B</u> | | 2012-08688- 110 | Roofing | Positive Layer? No |
| | Layer # 1 | black | | roof ply/bitumen | <i>no asbestos detected</i> |
| | Layer # 2 | tan | | plaster | <i>no asbestos detected</i> |
| Sample # | <u>M-ROOF-039C</u> | | 2012-08688- 111 | Roofing | Positive Layer? No |
| | Layer # 1 | black | | roof ply/bitumen | <i>no asbestos detected</i> |
| | Layer # 2 | tan | | plaster | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-041A</u> | | 2012-08688- 112 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | | texture/joint compound | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | | drywall core | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-041B</u> | | 2012-08688- 113 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | | texture/joint compound | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | | drywall core | <i>no asbestos detected</i> |

| | | | | | |
|----------|--------------------------|-----------|------------------------|------------------------------------|--------------------|
| Sample # | <u>M-WS-041C</u> | | 2012-08688- 114 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| | Layer # 2 | white | texture/joint compound | <i>no asbestos detected</i> | |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-042A</u> | | 2012-08688- 115 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-042B</u> | | 2012-08688- 116 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-042C</u> | | 2012-08688- 117 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-043A</u> | | 2012-08688- 118 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-043B</u> | | 2012-08688- 119 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-043C</u> | | 2012-08688- 120 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-040D</u> | | 2012-08688- 121 | Not Analyzed | |
| Sample # | <u>M-CFT-044A</u> | | 2012-08688- 122 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-044B</u> | | 2012-08688- 123 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-044C</u> | | 2012-08688- 124 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-WG-045A</u> | | 2012-08688- 125 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | white | surface | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | putty | <i><=1% chrysotile asbestos</i> | |
| Sample # | <u>M-WG-045B</u> | | 2012-08688- 126 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | white | surface | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | putty | <i><=1% chrysotile asbestos</i> | |
| Sample # | <u>M-WG-045C</u> | | 2012-08688- 127 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | white | surface | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | putty | <i><=1% chrysotile asbestos</i> | |
| Sample # | <u>M-CFT-046A</u> | | 2012-08688- 128 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | green | tile | <i>no asbestos detected</i> | |
| | Layer # 2 | tan | tile | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-046B</u> | | 2012-08688- 129 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | tile | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-046C</u> | | 2012-08688- 130 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | tile | <i>no asbestos detected</i> | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-047A</u> | | 2012-08688- 131 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | white | tile | <i>no asbestos detected</i> | |
| | Layer # 2 | off-white | grout | <i>no asbestos detected</i> | |
| | Layer # 3 | off-white | mortar | <i>no asbestos detected</i> | |
| | Layer # 4 | green | tile | <i>no asbestos detected</i> | |
| | Layer # 5 | off-white | grout | <i>no asbestos detected</i> | |
| | Layer # 6 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-047B</u> | | 2012-08688- 132 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | white | tile | <i>no asbestos detected</i> | |
| | Layer # 2 | off-white | grout | <i>no asbestos detected</i> | |
| | Layer # 3 | off-white | mortar | <i>no asbestos detected</i> | |
| | Layer # 4 | green | tile | <i>no asbestos detected</i> | |
| | Layer # 5 | off-white | grout | <i>no asbestos detected</i> | |
| | Layer # 6 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-047C</u> | | 2012-08688- 133 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | white | tile | <i>no asbestos detected</i> | |
| | Layer # 2 | off-white | grout | <i>no asbestos detected</i> | |
| | Layer # 3 | off-white | mortar | <i>no asbestos detected</i> | |
| Sample # | <u>M-CBM-048A</u> | | 2012-08688- 134 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | green | base cove | <i>no asbestos detected</i> | |
| | Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |

| | | | | | |
|----------|-----------------------------|-----------|-----------------|------------------|--------------------|
| Sample # | <u>M-CBM-048B</u> | | 2012-08688- 135 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | green | | <i>base cove</i> | |
| | Layer # 2 | off-white | | <i>mastic</i> | |
| Sample # | <u>M-CBM-048C</u> | | 2012-08688- 136 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | green | | <i>base cove</i> | |
| | Layer # 2 | off-white | | <i>mastic</i> | |
| Sample # | <u>M-CERCBM-049A</u> | | 2012-08688- 137 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | | <i>ceramic</i> | |
| | Layer # 2 | off-white | | <i>grout</i> | |
| Sample # | <u>M-CERCBM-049B</u> | | 2012-08688- 138 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | | <i>ceramic</i> | |
| | Layer # 2 | off-white | | <i>grout</i> | |
| | Layer # 3 | gray | | <i>mastic</i> | |
| Sample # | <u>M-CERCBM-049C</u> | | 2012-08688- 139 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | | <i>ceramic</i> | |
| | Layer # 2 | off-white | | <i>grout</i> | |
| | Layer # 3 | gray | | <i>mastic</i> | |

* Apparent Sample Types and Apparent Layer Types are as they appeared to the analyst. Since many types of materials appear similar after sampling damage, the apparent type of material may not be the actual type of material.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-001A **Lab Number** 2012-08688- 1 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Flooring Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 99 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-001B **Lab Number** 2012-08688- 2 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Flooring Non-fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-001C **Lab Number** 2012-08688- 3 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|-------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-CBM-002A **Lab Number** 2012-08688- 4 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | brown | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-002B **Lab Number** 2012-08688- 5 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | brown | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-002C **Lab Number** 2012-08688- 6 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | brown | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-003A **Lab Number** 2012-08688- 7 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-003B **Lab Number** 2012-08688- 8 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|---|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 97 | blue | 1 | n.d. | n.d. | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 3 | mastic | 1 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | <=1% | - | - | - | - |
| Fiber Identification: talc and transitional non-fibrous tremolit | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|-------------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | talc and transitional talc fiber | W | B | N | N | H | + | P | 1.605 | gb/dr | w/b | 1.601 <1.60 | |
| 2 | non-fibrous tremolite/actinolite | W | G | N | N | M | + | O | 1.605 | vg/y | gb/dr | 1.619 1.601 | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed. Note: sample contained transitional talc and/or non-fibrous tremolite/actinolite. Transitional talc is an intimate mixture of anthophyllite and talc. Even though it may have been asbestos once, the EPA has ruled not to regulate 'fibers of mixed mineral assemblage'. However, these fibers may be regulated when analyzed by TEM, since some are indistinguishable from anthophyllite asbestos. Likewise, non-fibrous tremolite/actinolite, while not regulated by EPA, may be counted (and thus regulated) when analyzed by TEM.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-003C **Lab Number** 2012-08688- 9 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|---|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 97 | blue | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 3 | mastic | 1 | brown | 1 | <=1% | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | <=1% | <=1% | <=1% | - | - | - |
| Fiber Identification: | | | | | talc and transitional non-fibrous tremolite cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | talc and transitional talc fiber | W | B | N | N | H | + | P | 1.605 | gb/dr | w/b | 1.601 | <1.60 |
| 2 | non-fibrous tremolite/actinolite | W | G | N | N | M | + | O | 1.605 | vg/y | gb/dr | 1.619 | 1.601 |
| 3 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed. Note: sample contained transitional talc and/or non-fibrous tremolite/actinolite. Transitional talc is an intimate mixture of anthophyllite and talc. Even though it may have been asbestos once, the EPA has ruled not to regulate 'fibers of mixed mineral assemblage'. However, these fibers may be regulated when analyzed by TEM, since some are indistinguishable from anthophyllite asbestos. Likewise, non-fibrous tremolite/actinolite, while not regulated by EPA, may be counted (and thus regulated) when analyzed by TEM.

Sample M-CBM-004A **Lab Number** 2012-08688- 10 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | off-white | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-004B **Lab Number** 2012-08688- 11 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-004C **Lab Number** 2012-08688- 12 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CPT-005A **Lab Number** 2012-08688- 13 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 93 | various | 1 | 80-90% | - | - | - | - | - |
| 2 | mastic | 7 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 70-80% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-005B **Lab Number** 2012-08688- 14 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 80-90% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 80-90% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-005C **Lab Number** 2012-08688- 15 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 80-90% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 80-90% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-006A **Lab Number** 2012-08688- 16 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 100 | various | 1 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | | 90-100% | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps.

Sample M-CPT-006B **Lab Number** 2012-08688- 17 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | | 90-100% | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-006C **Lab Number** 2012-08688- 18 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | | 90-100% | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-007A **Lab Number** 2012-08688- 19 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | texture/joint compound | 1 | white | 3 | <=1% | n.d. | n.d. | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | n.d. | 90-100% | n.d. | - | - | - |
| 4 | drywall core | 93 | white | 3 | n.d. | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | <=1% | 5-10% | <=1% | - | - | - |

Fiber Identification: chrysotile asbestos cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 | 1.549 |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | glass fiber | CL | D | Y | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 2 asbestos counts per 400 total counts = .5 percent.

Sample M-WS-007B **Lab Number** 2012-08688- 20 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | texture/joint compound | 1 | white | 3 | <=1% | n.d. | n.d. | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | n.d. | 90-100% | n.d. | - | - | - |
| 4 | drywall core | 93 | white | 3 | n.d. | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | <=1% | 5-10% | <=1% | - | - | - |

Fiber Identification: chrysotile asbestos cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 | 1.549 |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | glass fiber | CL | D | Y | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 2 asbestos counts per 400 total counts = .5 percent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-007C **Lab Number** 2012-08688- 21 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | texture/joint compound | 1 | white | 3 | <=1% | n.d. | n.d. | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | n.d. | 90-100% | n.d. | - | - | - |
| 4 | drywall core | 93 | white | 3 | n.d. | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | <=1% | 5-10% | <=1% | - | - | - |

Fiber Identification: chrysotile asbestos cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 | 1.549 |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | glass fiber | CL | D | Y | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 1 asbestos counts per 400 total counts = .25 percent.

Sample M-CONC-008A **Lab Number** 2012-08688- 22 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous Yes **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): powder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 100 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CONC-008B **Lab Number** 2012-08688- 23 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 90 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | concrete | 10 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-CONC-008C **Lab Number** 2012-08688- 24 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 100 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-ACP-009A **Lab Number** 2012-08688- 25 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 98 | tan | 3 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-ACP-009B **Lab Number** 2012-08688- 26 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 98 | tan | 3 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-ACP-009C **Lab Number** 2012-08688- 27 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 98 | tan | 3 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-010A **Lab Number** 2012-08688- 28 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 98 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample M-ACP-010B **Lab Number** 2012-08688- 29 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 98 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample M-ACP-010C **Lab Number** 2012-08688- 30 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 98 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-010D **Lab Number** 2012-08688- 31 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 98 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample M-ACT-011A **Lab Number** 2012-08688- 32 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 5 **Pos Layer?** No **# Sub-Samples** 11
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 83 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| 3 | mastic | 11 | brown | | n.d. | n.d. | - | - | - | - |
| 4 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 5 | plaster | 3 | off-white | 2 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACT-011B **Lab Number** 2012-08688- 33 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 11
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|--------|--------|-------|-------|-------|---|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 | |
| 1 | paint | 2 | white | 1 | n.d. | n.d. | - | - | - | - | |
| 2 | acoustical tile | 85 | off-white | 3 | 10-20% | 10-20% | - | - | - | - | |
| 3 | mastic | 12 | brown | | n.d. | n.d. | - | - | - | - | |
| 4 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - | |
| Total % | | 100 | Overall % | | | 10-20% | 10-20% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample M-ACT-011C **Lab Number** 2012-08688- 34 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 11
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|--------|--------|-------|-------|-------|---|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 | |
| 1 | paint | 2 | white | 1 | n.d. | n.d. | - | - | - | - | |
| 2 | acoustical tile | 85 | off-white | 3 | 10-20% | 10-20% | - | - | - | - | |
| 3 | mastic | 12 | brown | | n.d. | n.d. | - | - | - | - | |
| 4 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - | |
| Total % | | 100 | Overall % | | | 10-20% | 10-20% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CPT-012A **Lab Number** 2012-08688- 35 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-012B **Lab Number** 2012-08688- 36 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-012C **Lab Number** 2012-08688- 37 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-WS-013A **Lab Number** 2012-08688- 38 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, rock, polymer

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|--------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | plaster (top coat) | 98 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: teased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

Sample M-WS-013B **Lab Number** 2012-08688- 39 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, rock, polymer

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | plaster (top coat) | 68 | white | 2 | n.d. | - | - | - | - | - |
| 3 | plaster (scratch coat) | 30 | off-white | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: teased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-WS-013C **Lab Number** 2012-08688- 40 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, rock, polymer

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|--------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | paper/cardboard | 8 | tan | 2 | 90-100% | - | - | - | - | - |
| 3 | plaster (top coat) | 90 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

Sample M-CPT-014A **Lab Number** 2012-08688- 41 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CPT-014B **Lab Number** 2012-08688- 42 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-014C **Lab Number** 2012-08688- 43 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 100 | various | 1 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-015A **Lab Number** 2012-08688- 44 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | black | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | off-white | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-015B **Lab Number** 2012-08688- 45 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 0.5 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | base cove | 98 | black | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1.5 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-015C **Lab Number** 2012-08688- 46 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | base cove | 97 | black | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-PAR-016A **Lab Number** 2012-08688- 47 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Flooring Non-fibrous Solid
Homogeneous No **# Layers** 4 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): polymer, wood,

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | polymer | 7 | yellow | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 2-5% | - | - | - | - | - |
| 3 | cork | 35 | brown | 2 | n.d. | - | - | - | - | - |
| 4 | wood | 55 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|-------------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | pb/r | 1.561 1.549 | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-PAR-016B **Lab Number** 2012-08688- 48 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): polymer, wood,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | polymer | 7 | yellow | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 2-5% | - | - | - | - | - |
| 3 | cork | 35 | brown | 2 | n.d. | - | - | - | - | - |
| 4 | wood | 55 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | pb/r | 1.561 | 1.549 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-PAR-016C **Lab Number** 2012-08688- 49 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): polymer, wood,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | polymer | 7 | yellow | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 2-5% | - | - | - | - | - |
| 3 | cork | 35 | brown | 2 | n.d. | - | - | - | - | - |
| 4 | wood | 55 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | pb/r | 1.561 | 1.549 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-017A **Lab Number** 2012-08688- 50 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 5 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Sample M-CFT-017B **Lab Number** 2012-08688- 51 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|-------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 77 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 15 | gray | 1 | n.d. | - | - | - | - | - |
| 4 | leveling compound | 3 | off-white | 3 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CFT-017C **Lab Number** 2012-08688- 52 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 95 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mortar | 5 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Sample M-CWT-018A **Lab Number** 2012-08688- 53 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 5 **Pos Layer?** Yes **# Sub-Samples** 15
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|---|-------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 79 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | grout | 5 | white | 2 | n.d. | n.d. | - | - | - | - |
| 3 | mortar | 5 | gray | 1 | n.d. | n.d. | - | - | - | - |
| 4 | leveling compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 5 | mastic | 1 | black | 1 | 2-5% | >1-2% | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | <=1% | - | - | - | - |
| Fiber Identification: cellulose fiber chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|-------------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 1.549 | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CWT-018B **Lab Number** 2012-08688- 54 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 12
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 91 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 3 | gray | 1 | n.d. | - | - | - | - | - |
| 4 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Sample M-CWT-018C **Lab Number** 2012-08688- 55 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 98 | white | 1 | n.d. | - | - | - | - | - |
| 2 | mortar | 2 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-019A **Lab Number** 2012-08688- 56 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|---|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 | |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - | |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - | |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - | |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - | |
| Total % | | 100 | Overall % | | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-WS-019B **Lab Number** 2012-08688- 57 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|---|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 | |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - | |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - | |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - | |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - | |
| Total % | | 100 | Overall % | | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-019C **Lab Number** 2012-08688- 58 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-WS-019D **Lab Number** 2012-08688- 59 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CS-020A **Lab Number** 2012-08688- 60 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-CS-020B **Lab Number** 2012-08688- 61 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CS-020C **Lab Number** 2012-08688- 62 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-ACT-021A **Lab Number** 2012-08688- 63 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 60 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | mastic | 37 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 50-60% | <=1% | - | - | - | - |

Fiber Identification: glass fiber cellulose fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACT-021B **Lab Number** 2012-08688- 64 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-----------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 42 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | mastic | 55 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 40-50% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | glass fiber | cellulose fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-ACT-021C **Lab Number** 2012-08688- 65 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-----------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 55 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | mastic | 43 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 50-60% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | glass fiber | cellulose fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-023A **Lab Number** 2012-08688- 66 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 80 | tan | 3 | 90-100% | - | - | - | - | - |
| 3 | glue | 18 | brown | 1 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 70-80% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-ACP-023B **Lab Number** 2012-08688- 67 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 82 | tan | 3 | 90-100% | - | - | - | - | - |
| 3 | glue | 15 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 80-90% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-023C **Lab Number** 2012-08688- 68 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 72 | tan | 3 | 90-100% | - | - | - | - | - |
| 3 | glue | 25 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 70-80% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-VFT-024A **Lab Number** 2012-08688- 69 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 48 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | floor tile | 50 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-024B **Lab Number** 2012-08688- 70 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 53 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | floor tile | 45 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-024C **Lab Number** 2012-08688- 71 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 55 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | floor tile | 40 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | mastic | 2 | yellow | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-ACP-025A **Lab Number** 2012-08688- 72 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): powder, binder, metal

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2.5 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 96 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | paper/cardboard | 0.5 | tan | 2 | n.d. | 90-100% | - | - | - | - |
| 4 | foil | 1 | silver | 1 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | <=1% | - | - | - | - |

Fiber Identification: glass fiber cellulose fiber

| Fibers | | | | | | | | Refractive Index Determinations | | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|---------------------------------|-----|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-ACP-025B **Lab Number** 2012-08688- 73 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): powder, binder, metal

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 96 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | paper/cardboard | 0.5 | tan | 2 | n.d. | 90-100% | - | - | - | - |
| 4 | foil | 1.5 | silver | 1 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | <=1% | - | - | - | - |

Fiber Identification: glass fiber cellulose fiber

| Fibers | | | | | | | | Refractive Index Determinations | | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|---------------------------------|-----|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-ACP-025C **Lab Number** 2012-08688- 74 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): powder, binder, metal

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2.5 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 96 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | paper/cardboard | 0.5 | tan | 2 | n.d. | 90-100% | - | - | - | - |
| 4 | foil | 1 | silver | 1 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | <=1% | - | - | - | - |

Fiber Identification: glass fiber cellulose fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-LIN-026A **Lab Number** 2012-08688- 75 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): polymer, filler, powder

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | sheet flooring surface | 70 | various | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | sheet flooring backing | 28 | off-white | 3 | 30-40% | 2-5% | n.d. | - | - | - |
| 3 | mastic | 2 | tan | 1 | <=1% | n.d. | <=1% | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | >1-2% | <=1% | - | - | - |

Fiber Identification: cellulose fiber glass fiber chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 | 1.549 |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of vinyl matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-LIN-026B **Lab Number** 2012-08688- 76 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, powder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | sheet flooring surface | 70 | various | 1 | n.d. | n.d. | - | - | - | - |
| 2 | sheet flooring backing | 25 | off-white | 3 | 30-40% | 2-5% | - | - | - | - |
| 3 | mastic | 5 | yellow | 1 | <=1% | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | >1-2% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of vinyl matrix using solvent.

Sample M-LIN-026C **Lab Number** 2012-08688- 77 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): polymer, filler, powder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | mastic | 4 | tan | 1 | 2-5% | - | - | - | - | - |
| 2 | sheet flooring surface | 75 | various | 1 | n.d. | - | - | - | - | - |
| 3 | sheet flooring backing | 20 | off-white | 3 | 30-40% | - | - | - | - | - |
| 4 | mastic | 1 | tan | 1 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of vinyl matrix using solvent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CBM-027A **Lab Number** 2012-08688- 78 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 96 | purple | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | <=1% | - | - | - | - | - |
| 3 | mastic | 2 | yellow | 1 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-027B **Lab Number** 2012-08688- 79 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | purple | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-027C **Lab Number** 2012-08688- 80 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|--|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | purple | 1 | n.d. | n.d. | - | - | - | - |
| 2 | mastic | 2 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | talc and transitional non-fibrous tremolit | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | talc and transitional talc fiber | W | B | N | N | H | + | P | 1.605 | sb/o | w/b | 1.607 | <1.60 |
| 2 | non-fibrous tremolite/actinolite | W | G | N | N | M | + | O | 1.605 | vg/y | sb/o | 1.619 | 1.607 |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: twease apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed. Note: sample contained transitional talc and/or non-fibrous tremolite/actinolite. Transitional talc is an intimate mixture of anthophyllite and talc. Even though it may have been asbestos once, the EPA has ruled not to regulate 'fibers of mixed mineral assemblage'. However, these fibers may be regulated when analyzed by TEM, since some are indistinguishable from anthophyllite asbestos. Likewise, non-fibrous tremolite/actinolite, while not regulated by EPA, may be counted (and thus regulated) when analyzed by TEM.

Sample M-CBM-028A **Lab Number** 2012-08688- 81 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | gray | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: twease apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-028B **Lab Number** 2012-08688- 82 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | gray | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-028C **Lab Number** 2012-08688- 83 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 97 | gray | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-030A **Lab Number** 2012-08688- 84 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | green | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 2 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-030B **Lab Number** 2012-08688- 85 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 97 | green | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-030C **Lab Number** 2012-08688- 86 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 97 | green | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-030D **Lab Number** 2012-08688- 87 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | green | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 2 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-031A **Lab Number** 2012-08688- 88 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | tan | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 2 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-031B **Lab Number** 2012-08688- 89 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | tan | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 2 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-031C **Lab Number** 2012-08688- 90 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 99 | tan | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 1 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-WS-032A **Lab Number** 2012-08688- 91 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 5 **Pos Layer?** No **# Sub-Samples** 11
Non-Fibrous Components (in approx. decreasing order): powder, rock, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | plaster (top coat) | 18 | white | 2 | n.d. | - | - | - | - | - |
| 3 | plaster (scratch coat) | 50 | tan | 2 | >1-2% | - | - | - | - | - |
| 4 | paper/cardboard | 5 | tan | 2 | 90-100% | - | - | - | - | - |
| 5 | drywall core | 25 | white | 3 | >1-2% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: cellulose fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-WS-032B **Lab Number** 2012-08688- 92 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Wall System Non-fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): powder, rock, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | plaster (top coat) | 22 | white | 2 | n.d. | - | - | - | - | - |
| 3 | plaster (scratch coat) | 75 | tan | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

Sample M-WS-032C **Lab Number** 2012-08688- 93 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Cementitious Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, rock, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 10 | various | 1 | n.d. | - | - | - | - | - |
| 2 | stucco | 90 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Procedure: dissolution of stucco matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACT-033A **Lab Number** 2012-08688- 94 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 2 | white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 80 | yellow | 3 | 90-100% | - | - | - | - | - |
| 3 | glue | 18 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 70-80% | - | - | - | - | - |
| Fiber Identification: | | | | | glass fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | CL | D | Y | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-ACT-033B **Lab Number** 2012-08688- 95 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|--------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 2 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 60 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | glue | 18 | tan | 1 | n.d. | n.d. | - | - | - | - |
| 4 | glue | 20 | brown | 1 | n.d. | >1-2% | - | - | - | - |
| Total % | | 100 | Overall % | | 50-60% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | glass fiber | wollastonite | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | CL | D | Y | | | | | | | | | | |
| 2 | W | G | N | N | M | B | P | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACT-033C **Lab Number** 2012-08688- 96 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 2 | white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | acoustical tile | 60 | yellow | 3 | 90-100% | n.d. | n.d. | - | - | - |
| 3 | glue | 18 | tan | 1 | n.d. | n.d. | n.d. | - | - | - |
| 4 | glue | 20 | brown | 1 | n.d. | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | 50-60% | <=1% | <=1% | - | - | - |

Fiber Identification: glass fiber | talc and transitional | non-fibrous tremolit

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-------|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | CL | D | Y | | | | | | | | | | |
| 2 | W | B | N | N | H | + | P | 1.605 | sb/o | w/b | 1.607 | <1.60 | |
| 3 | W | G | N | N | M | + | O | 1.605 | vg/y | sb/o | 1.619 | 1.607 | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Note: sample contained transitional talc and/or non-fibrous tremolite/actinolite. Transitional talc is an intimate mixture of anthophyllite and talc. Even though it may have been asbestos once, the EPA has ruled not to regulate 'fibers of mixed mineral assemblage'. However, these fibers may be regulated when analyzed by TEM, since some are indistinguishable from anthophyllite asbestos. Likewise, non-fibrous tremolite/actinolite, while not regulated by EPA, may be counted (and thus regulated) when analyzed by TEM.

Sample M-CFT-034A **Lab Number** 2012-08688- 97 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** Yes **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | mastic | 3 | black | 1 | 5-10% | - | - | - | - | - |
| 2 | ceramic | 50 | tan | 1 | n.d. | - | - | - | - | - |
| 3 | mortar | 47 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-------|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent. No grout.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-034B **Lab Number** 2012-08688- 98 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** Yes **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|------|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | mastic | 0.5 | black | 1 | 5-10% | - | - | - | - | - |
| 2 | ceramic | 75 | tan | 1 | n.d. | - | - | - | - | - |
| 3 | mortar | 24.5 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|-------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent. No grout.

Sample M-CFT-034C **Lab Number** 2012-08688- 99 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 65 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | mortar | 35 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent. No grout. Note: A black mastic was present but was too thin to analyze. Mortar may have been grout on all three samples.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CWT-035A **Lab Number** 2012-08688- 100 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 80 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| 3 | ceramic | 15 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent.

Sample M-CWT-035B **Lab Number** 2012-08688- 101 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 95 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CWT-035C **Lab Number** 2012-08688- 102 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 10 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent.

Sample M-CAULK-037A **Lab Number** 2012-08688- 103 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | sealant | 95 | clear | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CAULK-037B **Lab Number** 2012-08688- 104 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Condition:** Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | sealant | 65 | clear | 1 | n.d. | - | - | - | - | - |
| 3 | sealant | 30 | black | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent.

Sample M-CAULK-037C **Lab Number** 2012-08688- 105 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Condition:** Non-fibrous Solid
Homogeneous Yes **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | sealant | 100 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CFT-038A **Lab Number** 2012-08688- 106 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 95 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-038B **Lab Number** 2012-08688- 107 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 10 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-038C **Lab Number** 2012-08688- 108 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 80 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 20 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ROOF-039A **Lab Number** 2012-08688- 109 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Roofing **Fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): bitumen, rock, powder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | roof ply/bitumen | 85 | black | 1 | 10-20% | - | - | - | - | - |
| 2 | plaster | 15 | tan | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid. Note: unable to determine exact layer number and sequence. Note: sample was a mixture of several roofing elements; similar pieces were analyzed as single roofing layers.

Sample M-ROOF-039B **Lab Number** 2012-08688- 110 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Roofing **Fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): bitumen, rock, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | roof ply/bitumen | 97 | black | 1 | 20-30% | - | - | - | - | - |
| 2 | plaster | 3 | tan | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 20-30% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid. Note: unable to determine exact layer number and sequence. Note: sample was a mixture of several roofing elements; similar pieces were analyzed as single roofing layers.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ROOF-039C **Lab Number** 2012-08688- 111 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Roofing **Fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): bitumen, rock, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | roof ply/bitumen | 90 | black | 1 | 10-20% | <=1% | - | - | - | - |
| 2 | plaster | 10 | tan | 2 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Fiber | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid. Note: unable to determine exact layer number and sequence. Note: sample was a mixture of several roofing elements; similar pieces were analyzed as single roofing layers.

Sample M-WS-041A **Lab Number** 2012-08688- 112 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 2 | white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 90 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Fiber | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Texture was too thin for an accurate analysis.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-041B **Lab Number** 2012-08688- 113 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 5 | white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 88 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-WS-041C **Lab Number** 2012-08688- 114 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 8 | white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 85 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CWT-042A **Lab Number** 2012-08688- 115 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 85 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 15 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | |
|--------|------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | | | | | | | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Surface of tile was green. No mortar.

Sample M-CWT-042B **Lab Number** 2012-08688- 116 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 70 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 30 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | |
|--------|------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | | | | | | | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Surface of tile was green. No mortar.

Sample M-CWT-042C **Lab Number** 2012-08688- 117 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 70 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 30 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | |
|--------|------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | | | | | | | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Surface of tile was white. No mortar.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-043A **Lab Number** 2012-08688- 118 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 80 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 20 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-043B **Lab Number** 2012-08688- 119 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 95 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-043C **Lab Number** 2012-08688- 120 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 10 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CFT-044A **Lab Number** 2012-08688- 122 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 85 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 15 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-044B **Lab Number** 2012-08688- 123 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 80 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 20 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-044C **Lab Number** 2012-08688- 124 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 85 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 15 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-WG-045A **Lab Number** 2012-08688- 125 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): powder, filler, polymer

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 2 | white | 1 | n.d. | - | - | - | - | - |
| 2 | putty | 98 | gray | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | sb/o | gb/dr | 1.553 | 1.545 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-WG-045B **Lab Number** 2012-08688- 126 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): powder, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 8 | white | 2 | n.d. | - | - | - | - | - |
| 2 | putty | 92 | gray | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | sb/o | gb/dr | 1.553 | 1.545 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-WG-045C **Lab Number** 2012-08688- 127 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): powder, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 3 | white | 2 | n.d. | - | - | - | - | - |
| 2 | putty | 97 | gray | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | sb/o | gb/dr | 1.553 | 1.545 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-046A **Lab Number** 2012-08688- 129 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 55 | green | 1 | n.d. | - | - | - | - | - |
| 2 | tile | 45 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid. Note: there appears to be more than one sample layer sequence in the bag (e.g., samples from more than one location); therefore, the reported layer sequence has been estimated/composited.

Sample M-CFT-046B **Lab Number** 2012-08688- 129 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 85 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 7 | gray | 2 | <=1% | - | - | - | - | - |
| 3 | mortar | 8 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: cellulose fiber | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CFT-046C **Lab Number** 2012-08688- 130 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 88 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 12 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid.

Sample M-CWT-047A **Lab Number** 2012-08688- 131 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 6 **Pos Layer?** No **# Sub-Samples** 12
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 55 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 7 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 7 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | tile | 25 | green | 1 | n.d. | - | - | - | - | - |
| 5 | grout | 3 | off-white | 2 | n.d. | - | - | - | - | - |
| 6 | mastic | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid. Note: there appears to be more than one sample layer sequence in the bag (e.g., samples from more than one location); therefore, the reported layer sequence has been estimated/composited.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CWT-047B **Lab Number** 2012-08688- 132 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 6 **Pos Layer?** No **# Sub-Samples** 12
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 45 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | tile | 30 | green | 1 | n.d. | - | - | - | - | - |
| 5 | grout | 10 | off-white | 2 | n.d. | - | - | - | - | - |
| 6 | mastic | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | |
|--------|------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | | | | | | | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid. Note: there appears to be more than one sample layer sequence in the bag (e.g., samples from more than one location); therefore, the reported layer sequence has been estimated/composited.

Sample M-CWT-047C **Lab Number** 2012-08688- 133 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 90 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | |
|--------|------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | | | | | | | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid. Minor adhering wall materials, paint and/or texture, etc. were not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-048A **Lab Number** 2012-08688- 134 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | green | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | | | |
|--------|------|-------|------|-----|------|-----|---------|---------|---------------------------------|--------|--|--|--|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | Oil | Col Par | Col Per | RI Par | RI Per | | | | | |
| 1 | none | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-048B **Lab Number** 2012-08688- 135 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 97 | green | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | | | |
|--------|------|-------|------|-----|------|-----|---------|---------|---------------------------------|--------|--|--|--|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | Oil | Col Par | Col Per | RI Par | RI Per | | | | | |
| 1 | none | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-048C **Lab Number** 2012-08688- 136 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | green | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CERCBM-049A **Lab Number** 2012-08688- 137 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 10 | off-white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Sample M-CERCBM-049B **Lab Number** 2012-08688- 138 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 92 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mastic | 3 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

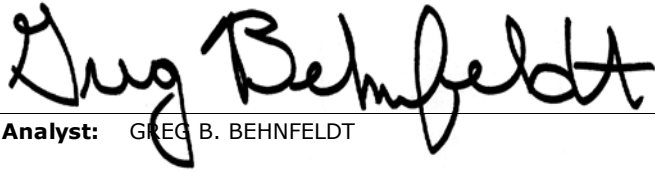
Sample M-CERCBM-049C **Lab Number** 2012-08688- 139 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 94 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 3 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mastic | 3 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Fr=Friability: 1=very non-friable; 2= non-friable; 3=friable; 4=highly friable
 Colors: B=black;BL=blue;BR=brown;CL=clear;G=Green;GY=gray;OR=orange;OW=off-white;PN=pink;PU=purple;R=red;TN=tan;W=white;Y=yellow;V=various
 Fiber Morphology: A=fine fibers/bundles, white, sinewy, flexible; B=fine fibers/bundles, w-br, straight, broomed ends; C=fine fibers/bundles, blue, straight, broomed ends;
 D=fine to coarse fibers, CL-B, brittle; E=coarse fibers,CL or dyed, striated; F=coarse fibers or splinters, W-BR, ribbon-like; G=lath-like or shards, low aspect ratio, may taper
 Iso=isotropism - may be yes or no; Pleo=pleochroism - may be yes or no; Bi=birefringence - may be None, Low, Medium or High
 Elg=sign of elongation - may be +, - or B (both); Ext=extinction - may be Parallel, Oblique, None or Undulating; Oil=medium used to for dispersion staining
 Col Par=dispersion staining colors parallel to the fiber (fiber/halo): b/w=black/white; dg/py=dark gray/pale yellow; vg/y=violet gray/yellow; db/ly=dark blue/lemon yellow;
 vb/g= vivid blue/gold; sb/o=sky blue/orange; pb/r=pale blue/red; gb/dr=gray blue/dark red; w/b=white/black. Col Perp=same only perpendicular to fiber.
 RI Par=refractive index parallel to fiber; RI Perp=refractive index perpendicular to fiber



Analyst: GREG B. BEHNFELDT

Printed: 14-Sep-12

Original Print Date: 14-Sep-12



Larry S. Pierce, Approved Accreditation Signatory

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.,
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

Submitted by (Company) **Strata, Inc.**

Address **8653 W Hackamore Drive**

City, State, Zip Code **Boise, ID 83704**

Phone **208-376-8200** FAX **208-376-8201**

Email **cbrischler@stratageotech.com**

Invoice to (Company) **Strata, Inc.**

Address **same**

City, State, Zip Code

Phone FAX

Contact (print) **Cristina Brischler**

Sampled by (signature)

Job Number or Project Name **Quinn Coliseum**

PO Number **ON12030A**

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|------------------------------------|-----------------------------------|--|-------------------------------------|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> | | | | |
| | by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| Wipe <input type="checkbox"/> | | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-VFT-001A | 12x12" Vinyl Floor Tile, Beige/Brown | 9-5-12 | | |
| 2) ↓ 001B | " | | | |
| 3) ↓ 001C | " | | | |
| 4) M-CBM-002A | 4" Core base + MASTIC (Brown) | | | |
| 5) ↓ 002B | " | | | |
| 6) ↓ 002C | " | | | |
| 7) M-CBM-003A | 4" Core base + MASTIC (Blue) | | | |
| 8) ↓ 003B | " | | | |
| 9) ↓ 003C | " | | | |
| 10) M-CBM-004A | 4" Core base + MASTIC (DK Beige) | | | |
| 11) ↓ 004B | " | | | |
| 12) ↓ 004C | " | | | |
| 13) M-CPT-005A | Blue Carpet + MASTIC | | | |
| 14) M-CPT-005B | " | | | |
| 15) M-CPT-005C | " | | | |
| 16) M-CPT-006A | Brown Carpet + MASTIC | | | |
| 17) ↓ 006B | " | | | |
| 18) ↓ 006C | " | | | |
| 19) M-WS-007A | Gypsum Wall System (Smooth) | | | |
| 20) ↓ -007B | " | | | |

| | | | | | |
|--|------------------------|-------------|---------------------|---------------------------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 0850 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | Print Name: <i>F/x</i> | | | Page <u>1</u> of <u>8</u> | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 JK

pg 2 of 8

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|----------------------------------|-----------------------------------|--|-------------------------------------|
| | | Rush | Norm | Ext | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| | Wipe <input type="checkbox"/> | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include agar type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-WS-007C | Gypsum Wall System (Smooth) | 9-5-12 | | |
| 2) M-CONC-008A | Concrete Wall System (SANDY) | | | |
| 3) ↓ 008B | " | | | |
| 4) ↓ 008C | " | | | |
| 5) M-ACP-009A | 2' x 8' Ceiling Panels (SPAGETTI) | | | |
| 6) ↓ 009B | " | | | |
| 7) ↓ 009C | " | | | |
| 8) M-ACP-00A | 2' x 4' Acoustic Ceiling Tiles (Hollow) | | | |
| 9) ↓ 010B | " | | | |
| 10) ↓ 010C | " | | | |
| 11) ↓ 010D | 1' x 1' Acoustic Ceiling Tile (Deep fissure) | | | |
| 12) M-ACT-011A | " | | | |
| 13) ↓ 011B | " | | | |
| 14) ↓ 011C | " | | | |
| 15) M-CPT-012A | GRAT CARPET + MASTIC | | | |
| 16) ↓ 012B | " | | | |
| 17) ↓ 012C | " | | | |
| 18) M-WS-013A | Gypsum Wall System (SANDY) | | | |
| 19) ↓ 013B | " | | | |
| 20) ↓ 013C | " | | | |

| | | | | | |
|--|----------------------|--------------------|---------------------------|-------|-------|
| 1) Relinquished by: | Date: 9-10-12 | Time: 08:50 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | Print Name | Page <u>2</u> of <u>8</u> | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 JS

13 3 of 8

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|---|--|---|---|--|---|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chalfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> | | | | |
| | by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| Wipe <input type="checkbox"/> | Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-CPT-014A | Blue / GRAY CARPET + MASTIC | 9-5-12 | | |
| 2) ↓ 014B | " | ↓ | ↓ | ↓ |
| 3) ↓ 014C | " | | | |
| 4) M-CBM-015A | 4" Cove Base + MASTIC | | | |
| 5) ↓ 015B | " | | | |
| 6) ↓ 015C | " | | | |
| 7) M-PAR-016A | PARKET FLOORING | | | |
| 8) ↓ 016B | " | | | |
| 9) ↓ 016C | " | | | |
| 10) M-CPT-017A | 2" x 2" Blue Ceramic Tile | | | |
| 11) ↓ 017B | " | | | |
| 12) ↓ 017C | " | | | |
| 13) M-CWT-018A | 4" x 4" + 2" x 2" WHITE + BLUE CERAMIC TILES | | | |
| 14) ↓ 018B | " | | | |
| 15) ↓ 018C | " | | | |
| 16) M-WB-019A | Gypsum Wall System, WHITE ORANGE Peel L | | | |
| 17) ↓ 019B | " | | | |
| 18) ↓ 019C | " | | | |
| 19) ↓ 019D | Ceiling Surfacing | | | |
| 20) M-CS-020A | Gypsum Wall System, HEAVY KNOCK DOWN | | | |

| | | | | | |
|--|---------------|-------------|---------------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 08:51 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | Print Name | Page 3 of 8 | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 *[Signature]*

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|----------------------------------|----------|-------------------------------------|--------------------------|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs | <6 hrs | 1-3 days | 15-30 days |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr | 24hr | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr | 24 hr | 3-5d | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d | 3-5d | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d | 5-10d | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs | 2-3 days | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| | Wipe <input type="checkbox"/> | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs | 1-2 days | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr | 24h | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include agar type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-CS-020B | GRASS SURFACING (HEAVY KNOCK DOWN) | 9-5-12 | | |
| 2) ↓ 020C | " | | | |
| 3) M-ACT-021A | 1'x1' Acoustic Ceiling Tile (Even Spread Grid) | | | |
| 4) ↓ 021B | " | | | |
| 5) ↓ 021C | " | | | |
| 6) M-CPT-022A | LIGHT BROWN CARPET | | | |
| 7) ↓ 022B | NO SAMPLE | | | |
| 8) ↓ 022C | | | | |
| 9) M-ACP-023A | 1'x1' White Acoustic Ceiling Tile | | | |
| 10) ↓ 023B | " (Computer Grid) | | | |
| 11) ↓ 023C | " | | | |
| 12) M-VFT-024A | Vinyl Floor Tile, White (Blue + Mastic) | | | |
| 13) ↓ 024B | " | | | |
| 14) ↓ 024C | " | | | |
| 15) M-ACP-025A | 2'x4' Acoustic Ceiling Tile (Smooth) | | | |
| 16) ↓ 025B | " | | | |
| 17) ↓ 025C | " | | | |
| 18) M-LIN-026A | Beige/Glat Linoleum Flooring | | | |
| 19) ↓ 026B | " | | | |
| 20) ↓ 026C | " | | | |

| | | | | | |
|--|---------------|-------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 08:51 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 JS

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| |
|--|
| Contact (print) Cristina Brischler |
| Sampled by (signature) |
| Job Number or Project Name Quinn Coliseum |
| PO Number ON12030A |

pg 5 of 8

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|----------------------------------|----------|----------|------------|
| | | Rush | Norm | Ext | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs | <6 hrs | 1-3 days | 15-30 days |
| | Analyte <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr | 24hr | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr | 24 hr | 3-5d | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d | 3-5d | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d | 5-10d | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs | 2-3 days | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| | Wipe <input type="checkbox"/> | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs | 1-2 days | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr | 24h | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/etc. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-CBM-027A | BROWNISH/PINK CORE BASE + MASTIC | 9-5-12 | | |
| 2) ↓ 027B | " | | | |
| 3) ↓ 027C | " | | | |
| 4) M-CBM-028A | 4" CORE BASE + MASTIC, LIGHT GRAY | | | |
| 5) ↓ 028B | " | | | |
| 6) ↓ 028C | " | | | |
| 7) M-LIN-029A | No Sample | | | |
| 8) ↓ 029B | | | | |
| 9) ↓ 029C | | | | |
| 10) M-VFT-030A | 9" x 9" Vinyl Floor Tile, Green | | | |
| 11) ↓ 030B | " | | | |
| 12) ↓ 030C | " | | | |
| 13) M-VFT-030D | 9" x 9" Vinyl Floor Tile, Beige | | | |
| 14) M-VFT-031A | " | | | |
| 15) ↓ 031B | " | | | |
| 16) ↓ 031C | " | | | |
| 17) M-WS-032A | Gypsum Wall System, Smooth Texture | | | |
| 18) ↓ 032B | " | | | |
| 19) ↓ 032C | " | | | |
| 20) M-ACC-033A | 1' x 1' Acoustic Ceiling Tile, Smooth + Mastic | | | |

| | | | | | |
|--|---------------|-------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 08:51 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Page 5 of 8

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 *[Signature]*

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-Time (circle one) | | | |
|--|--|------------------------------------|-----------------------------------|--|-------------------------------------|
| | | Rush | Norm | Ext | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| | Wipe <input type="checkbox"/> | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Alter <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| | Other | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call <input type="checkbox"/> | Call <input type="checkbox"/> | | |

| Sample Number | Description/Location (include assr type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|------------------------|--|-------------|-------------|----------|
| 1) M-ACT-033B | 1'x1' Acoustic Ceiling Tile, Smooth + Mastic | 9-5-12 | | |
| 2) ↓ 033C | " | | | |
| 3) M-CFT-034A | 6" x 6" Beige/Brown, Ceramic Tiles | | | |
| 4) ↓ 034B | " | | | |
| 5) ↓ 034C | " | | | |
| 6) M-CWT-035A | 1" x 1" Multi-beige, Ceramic Tile | | | |
| 7) ↓ 035B | " | | | |
| 8) ↓ 035C | " | | | |
| 9) 036A CB | | | | |
| 10) 036B CB | | | | |
| 11) 036C CB | | | | |
| 12) M-CAULK-037A | CAULK, Grey | | | |
| 13) ↓ 037B | " | | | |
| 14) ↓ 037C | " | | | |
| 15) M-CFT-038A | 1" x 1" Multi-Colored Ceramic Tile | | | |
| 16) ↓ 038B | " | | | |
| 17) ↓ 038C | " | | | |
| 18) M-ROOF 039A | Maple Roofing Paper + Tan | | | |
| 19) ↓ 039B | " | | | |
| 20) ↓ 039C | " | | | |

| | | | | | |
|--|----------------------|--------------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 0852 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688

pg 7 of 8

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| |
|--|
| Contact (print) Cristina Brischler |
| Sampled by (signature) |
| Job Number or Project Name Quinn Coliseum |
| PO Number ON12030A |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|----------------------------------|----------|-------------------------------------|--------------------------|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. <3 hrs | <6 hrs | 1-3 days | 15-30 days |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr | 24hr | - | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr | 24 hr | 3-5d | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d | 3-5d | N/A | |
| | Annex2 : Chalfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d | 5-10d | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs | 2-3 days | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| | Wipe <input type="checkbox"/> | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs | 1-2 days | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr | 24h | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-ACP 040A | Acoustic Ceiling Panel, Fabric | | | |
| 2) ↓ 040B | No Sample | | | |
| 3) ↓ 040C | | | | |
| 4) M-US-041A | Gypsum Wall System, Smooth | 9-5-12 | | |
| 5) ↓ 041B | | | | |
| 6) ↓ 041C | | | | |
| 7) M-CWT-042A | LT Green, Ceramic Subway Tile | | | |
| 8) ↓ 042B | " | | | |
| 9) ↓ 042C | " | | | |
| 10) M-CFT-043A | 1" x 1" Octagonal Ceramic floor Tile | | | |
| 11) ↓ 043B | " | | | |
| 12) ↓ 043C | " | | | |
| 13) M-ACP-040D | | | | |
| 14) M-CFT-044A | 2" x 2" Brown Ceramic floor Tile | | | |
| 15) ↓ 044B | " | | | |
| 16) ↓ 044C | " | | | |
| 17) M-WG-045A | Window Glazing | | | |
| 18) ↓ 045B | " | | | |
| 19) ↓ 045C | " | | | |
| 20) M-CFT-046A | 12" x 12" Beige + Green Ceramic Tiles | | | |

| | | | | | |
|--|----------------------|--------------------|---------------------|-------|-------|
| 1) Relinquished by: | Date: 9-10-12 | Time: 08:52 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|---|-----------------------------------|--|-------------------------------------|
| | | Rush | Norm | Ext | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> | | | | |
| | by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| Wipe <input type="checkbox"/> | | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call <input type="checkbox"/> | Call <input type="checkbox"/> | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|------------------|--|-------------|-------------|----------|
| 1) M-CFT-046B | 2"x2" Beige Green Ceramic Tiles | 9-5-12 | | |
| 2) ↓ 046C | " | | | |
| 3) M-CWT-047A | 4"x4" White Green Ceramic Tile | | | |
| 4) ↓ 047B | " | | | |
| 5) ↓ 047C | " | | | |
| 6) M-CBM-048A | 4" Green Cove Base & Mastic | | | |
| 7) ↓ 048B | " | | | |
| 8) ↓ 048C | " | | | |
| 9) M-CERCBM-049A | 4"x4" / 1"x1" Beige Ceramic Tiles | | | |
| 10) ↓ 049B | " | | | |
| 11) ↓ 049C | " | | | |
| 12) | | | | |
| 13) | | | | |
| 14) | | | | |
| 15) | | | | |
| 16) | | | | |
| 17) | | | | |
| 18) | | | | |
| 19) | | | | |
| 20) | | | | |

| | | | | | |
|--|---------------|-------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9/10/12 | Time: 08:52 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9/11/12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 *[Signature]*

September 19, 2012

Cristina Brischler
Strata
8653 W Hackamore Drive
Boise, ID 83709

RE: Project: ON12030A QuinnColiseumBldSurv
Pace Project No.: 10204955

Dear Cristina Brischler:

Enclosed are the analytical results for sample(s) received by the laboratory on September 11, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Michelle Hubbling

michelle.hubbling@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Page 1 of 7

CERTIFICATIONS

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Hawaii Certification #Pace

Idaho Certification #: MN00064

Illinois Certification #: 200011

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia/DCLS Certification #: 002521

Virginia/VELAP Certification #: 460163

Washington Certification #: C754

West Virginia Certification #: 382

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

Page 2 of 7

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------------|----------|----------|-------------------|------------|
| 10204955001 | M-Caulk-037-PCB | EPA 8082 | KL1 | 11 | PASI-M |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

Sample: M-Caulk-037-PCB **Lab ID: 10204955001** Collected: 09/06/12 00:00 Received: 09/11/12 09:55 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|------------------------------|---------------|---|--------------|-----|----------------|----------------|------------|------|
| 8082 GCS PCB Soxtherm | | Analytical Method: EPA 8082 Preparation Method: EPA 3541 | | | | | | |
| PCB-1016 (Aroclor 1016) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | 868000 | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11096-82-5 | |
| PCB-1262 (Aroclor 1262) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 37324-23-5 | |
| PCB-1268 (Aroclor 1268) | ND | ug/kg | 49500 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 11100-14-4 | |
| Surrogates | | | | | | | | |
| Tetrachloro-m-xylene (S) | 0 % | | 30-150 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 877-09-8 | S4 |
| Decachlorobiphenyl (S) | 0 % | | 30-150 | 100 | 09/11/12 13:43 | 09/18/12 13:27 | 2051-24-3 | S4 |

QUALITY CONTROL DATA

Project: ON12030A QuinnColiseumBldSurv
Pace Project No.: 10204955

QC Batch: OEXT/19644 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 10204955001

METHOD BLANK: 1284790 Matrix: Solid
Associated Lab Samples: 10204955001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| PCB-1016 (Aroclor 1016) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1221 (Aroclor 1221) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1232 (Aroclor 1232) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1242 (Aroclor 1242) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1248 (Aroclor 1248) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1254 (Aroclor 1254) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1260 (Aroclor 1260) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1262 (Aroclor 1262) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| PCB-1268 (Aroclor 1268) | ug/kg | ND | 33.0 | 09/14/12 12:29 | |
| Decachlorobiphenyl (S) | % | 88 | 30-150 | 09/14/12 12:29 | |
| Tetrachloro-m-xylene (S) | % | 33 | 30-150 | 09/14/12 12:29 | |

LABORATORY CONTROL SAMPLE & LCSD: 1284791 1284792

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|--------------------------|-------|-------------|------------|-------------|-----------|------------|--------------|-----|---------|------------|
| PCB-1016 (Aroclor 1016) | ug/kg | 667 | 633 | 616 | 95 | 92 | 65-125 | 3 | 20 | |
| PCB-1260 (Aroclor 1260) | ug/kg | 667 | 556 | 532 | 83 | 80 | 60-125 | 4 | 20 | |
| Decachlorobiphenyl (S) | % | | | | 97 | 85 | 30-150 | | | |
| Tetrachloro-m-xylene (S) | % | | | | 92 | 90 | 30-150 | | | |

QUALIFIERS

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: GCSV/10127

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ON12030A QuinnColiseumBldSurv

Pace Project No.: 10204955

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---------------|------------------|------------------------|-----------------|--------------------------|-------------------------|
| 10204955001 | M-Caulk-037-PCB | EPA 3541 | OEXT/19644 | EPA 8082 | GCSV/10127 |

Section A Required Client Information: Company: **Strata, Inc.** Address: **8653 W Hackamore Drive** Phone: **208-376-8200** Fax: **208-376-8201** Requested Due Date/TAT: **Normal**

Section B Required Project Information: Report To: **Cristina Brischler** Copy To: **CB** Email To: **cbfischer@stratageotech.com** Purchase Order No.: **ON12030A** Project Name: **Quinn Coliseum Building Survey** Project Number: **ON12030A**

Section C Invoice Information: Attention: **same** Company Name: **Strata, Inc.** Address: **8653 W Hackamore Drive** Pace Quote Reference: **Pace Project Manager** Pace Profile #: **1125**

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: **OR** STATE: **OR**

| ITEM # | Section D Required Client Information | Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID S OIL OL WIPE WP AIR AK OTHER OT TSS TS | COLLECTED | | | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | Analysis Test | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) |
|--------|--|---|-----------------|--------------------|------|---------------------------|-----------------|---------------|------|--|-----------------------------------|-------------------------|
| | | | COMPOSITE START | COMPOSITE END/GRAB | DATE | | | TIME | DATE | | | |
| 1 | M-Caulk-037-R3 | | | | | | 1 | | | <input checked="" type="checkbox"/> PCB in caulk | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |

| RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|-------------------------------|---------|------|---------------------------|---------|------|--|
| <i>[Signature]</i> | 9-10-12 | 0825 | <i>[Signature]</i> | 9/11/12 | 0855 | Temp in °C: 9 Received on Ice (Y/N): N Custody Sealed Cooler (Y/N): N Samples Intact (Y/N): Y |

ADDITIONAL COMMENTS: **CB**

DATE Signed (MM/DD/YY): **3/29/12**

SAMPLER NAME AND SIGNATURE: **Cristina Brischler**


PRINT Name of SAMPLER: **Cristina Brischler**

SIGNATURE of SAMPLER: *[Signature]*

Sample Condition Upon Receipt

Client Name: Strata Project #: _____

WO# : 10204955



10204955

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Tracking Number: 8254 6829 7685

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags None Other: _____ Temp Blank? Yes No

Thermometer Used: B88A912167504 80512447 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature: 0.8 Biological Tissue Frozen? Yes No Date and Initials of Person Examining Contents: 9/11/12 ch
 Temp should be above freezing to 6°C

Comments:

| | | |
|---|--|--|
| Chain of Custody Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name and/or Signature on COC? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72 hr)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. <u>baggie</u> |
| -Pace Containers Used? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered Volume Received for Dissolved Tests? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels Match COC? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes Date/Time/ID/Analysis Matrix: <u>SL</u> | | |
| All containers needing acid/base preservation have been checked? Noncompliances are noted in 13. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl |
| All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>12) | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Sample # |
| Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Initial when completed: _____ Lot # of added preservative: _____ |
| Headspace in VOA Vials (>6mm)? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Trip Blank Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 15. |
| Trip Blank Custody Seals Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): _____ | | |

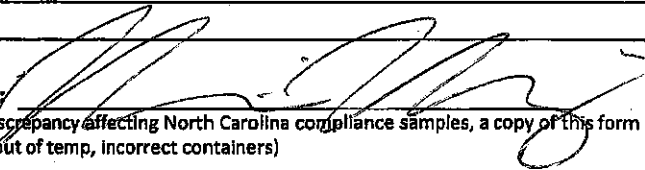
CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review:



Date: 9/11/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Client: _____

Project #: _____

COC ID: _____

COC Page _____ of _____

| Sample Line Item | DP9H | AG1U | WG9U | JG9U | BP2N | BP2U | BP2S | BP3N | BP3U | BP3S | AG3S | AG1H | VG9M | VG9H | VG9U | Comments |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| 1 | 1 | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |

Container Codes:

| | | | | | | | |
|------|--------------------------------|------|------------------------------------|------|------------------------------|-------|-----------------------------|
| DG9H | 40mL HCL amber VOA vial | AF | Air Filter | BP1N | 1 liter HNO3 plastic | DG9P | 40mL TSP amber vial |
| AG1U | 1liter unpreserved amber glass | AG1H | 1 liter HCL amber glass | BP1S | 1 liter H2SO4 plastic | DG9S | 40mL H2SO4 amber vial |
| WG9U | 4oz clear soil jar | AG1S | 1 liter H2SO4 amber glass | BP1U | 1 liter unpreserved plastic | DG9T | 40mL Na Thio amber vial |
| R | tetra core kit | AG1T | 1 liter Na Thiosulfate amber glass | BP1Z | 1 liter NaOH, Zn, Ac | DG9U | 40mL unpreserved amber vial |
| BP2N | 500mL HNO3 plastic | AG2N | 500mL HNO3 amber glass | BP2A | 500mL NaOH, Asc Acid plastic | I | Wipe/Swab |
| BP2U | 500mL unpreserved plastic | AG2S | 500mL H2SO4 amber glass | BP2O | 500mL NaOH plastic | JG9U | 4oz unpreserved amber wide |
| BP2S | 500mL H2SO4 plastic | AG2U | 500mL unpreserved amber glass | BP2Z | 500mL NaOH, Zn Ac | U | Summa Can |
| BP3N | 250mL HNO3 plastic | AG3U | 250mL unpreserved amber glass | BP3A | 250mL NaOH, Asc Acid plastic | VG9H | 40mL HCL clear vial |
| BP3U | 250mL unpreserved plastic | BG1H | 1 liter HCL clear glass | BP3C | 250mL NaOH plastic | VG9T | 40mL Na Thio clear vial |
| BP3S | 250mL H2SO4 plastic | BG1S | 1 liter H2SO4 clear glass | BP3Z | 250mL NaOH, Zn Ac plastic | VG9U | 40mL unpreserved clear vial |
| AG3S | 250mL H2SO4 glass amber | BG1T | 1 liter Na Thiosulfate clear glass | C | Air Cassettes | VSG | Headspace septa vial & HCL |
| AG1S | 1 liter H2SO4 amber glass | BG1U | 1 liter unpreserved glass | DG9B | 40mL Na Bisulfate amber vial | W/GFX | 4oz wide jar w/hexane wipe |
| BP1U | 1 liter unpreserved plastic | BP1A | 1 liter NaOH, Asc Acid plastic | DG9M | 40mL MeOH clear vial | ZPLC | Ziploc Bag |



Atomic Absorption Spectrometer (AAS) Analysis of Paint

JobNumber: 201208687

Client: STRATA INC

8653 W HACKAMORE DR

BOISE, ID 83704-0000

Office Phone: (208) 376-8200

FAX: (208) 376-8201

Samples: 10 **AA** **Rec:** 9/11/2012 **Method:** Modified SW 846 3050b/7420 **Pb in paint by weight AA Analysis**

Client Job: Quinn Coliseum **PO Number:** ON12030A

Report Date: 9/13/2012 **Date Analyzed:** 9/13/2012 **Routing Number:** -

Method and Analysis Information: **Fiberquant Internal SOP:** AApw

The received samples were analyzed for Pb (total) using "Test Methods for Evaluating Solid Waste" (SW 846, December 1996 updates). The extraction/digestion method was SW 3050b. The analytical method is "flame atomic absorption, direct aspiration", SW 7420.. Briefly the procedures are as follows. The incoming paint samples are first homogenized by mixing and crushing. A sub-sample is weighed to 0.0001 gm into a 50ml centrifuge tube. To the run stream are added the quality assurance samples described below. Six mls of concentrated HNO3 and one ml of 30% H2O2 are added to each container. The tubes are capped and heated for 1 hour at 95 deg. C. After cooling, the contents of the centrifuge tube are brought up to exactly 25 mls, completing the digestion/extraction.

The sample and quality assurance extractions are then analyzed on a TJA M5 flame atomic absorption spectrometer. The wavelengths and other instrumental settings are set according to the manufacturer's recommendations, or as otherwise specified in the published method. Absorptions are recorded from sample and standard solutions. A calibration curve is fitted to at least three standard solutions, and the concentrations of the sample extracts are calculated from the curve. The ppm (ug/gm) and weight percent for each sample is calculated from the sub-sample weight, extract volume, and extract concentration.

The results from this analysis is generally compared to either the HUD guidelines, in which a sample is positive if it contains >0.5% (5000 ppm) Pb, or the Consumer Products Safety Commission (CPSC) limit, in which a paint or surface coating containing greater than 90 ppm is defined as lead-containing. The expected coefficient of variation for this method is approximately 20-30%. The results are reported to two significant figures. The Sample Reporting Limit (RL) listed below is twice the Sample Detection Limit, which is calculated for each sample from the experimentally determined Method Detection Limit. The limit of reliable quantitation is generally regarded as five to ten times the limit of detection. Therefore, samples smaller than 0.1 gm may give results too near the CPSC standard to be reliable. Problems in analysis or other information is provided in the "Analytical Notes" below. Blanks, if analyzed, are treated the same as samples and are not used for correcting non-blank results.

The following on-going quality assurance program was followed to ensure reproducible and dependable results: All analysts are degreed chemists trained extensively in-house for at least six months prior to un-supervised runs. Blank matrix samples are analyzed at a rate of 5% (at least one per run). Reference standards are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. Spiked matrix samples are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. Duplicate samples are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. For each instrumental run, the spectrometer is checked for sensitivity and stability. The calibration standards are made fresh weekly, and checked each run against a calibration verification standard from another source. All calculations are performed twice - once in a calibration spreadsheet, and once during the report generation, and also checked by hand. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. Fiberquant participates in the Environmental Lead Proficiency Analytical Testing (ELPAT) program, is accredited by AIHA-LAP, LLC for environmental lead in paint (Lab # 101593), and is recognized by the National Lead Laboratory Accreditation Program (NLLAP) for the analysis of Pb in paint. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

Calibration Curve:

Pb

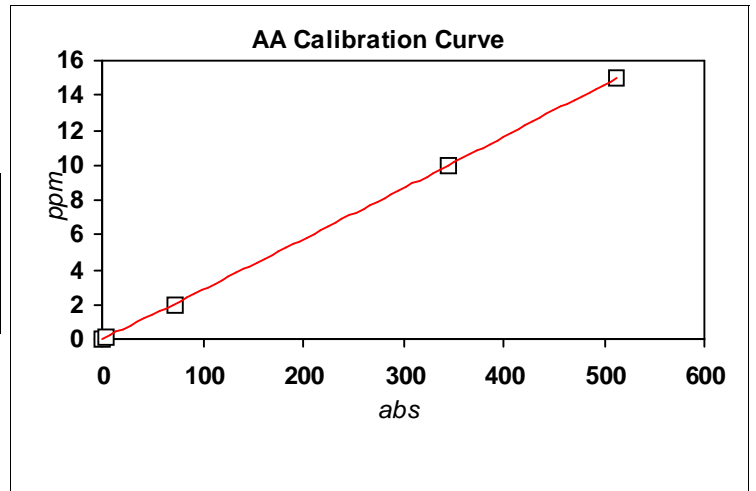
Run # 8814

9/13/2012

Instrument: M5-2

| Standards: | ppm | avg. mAbs. |
|------------|------|------------|
| 1 | 0.13 | 3 |
| 2 | 2 | 73 |
| 3 | 10 | 344 |
| 4 | 15 | 513 |

| | |
|-----|------------|
| ax2 | 0.00000186 |
| bx | 0.02832142 |
| c | -0.00298 |
| R2 | 0.9999466 |



Analysis Results:

Job Number: 201208687

AApw

| Lab Number | Client Number | Date | Condition | Weight (gm) | ug/ml | ml | Dil | Analyte | wt % | ppm | RL(ppm) |
|----------------|---------------|----------|------------|-------------|---------|----|-----|---------|---------|-------|---------|
| 2012-08687- 1 | LBP-1 | 9/6/2012 | acceptable | 0.2026 | 5.30014 | 25 | 1 | Pb | 0.065 | 650 | 16 |
| 2012-08687- 2 | LBP-2 | 9/6/2012 | acceptable | 0.2167 | 1.36073 | 25 | 50 | Pb | 0.78 | 7800 | 15 |
| 2012-08687- 3 | LBP-3 | 9/6/2012 | acceptable | 0.2109 | -0.003 | 25 | 1 | Pb | <0.0015 | <15 | 15 |
| 2012-08687- 4 | LBP-4 | 9/6/2012 | acceptable | 0.2071 | -0.003 | 25 | 1 | Pb | <0.0016 | <16 | 16 |
| 2012-08687- 5 | LBP-5 | 9/6/2012 | acceptable | 0.2551 | 3.56626 | 25 | 50 | Pb | 1.7 | 17000 | 13 |
| 2012-08687- 6 | LBP-6 | 9/6/2012 | acceptable | 0.2257 | 0.19536 | 25 | 1 | Pb | 0.0022 | 22 | 14 |
| 2012-08687- 7 | LBP-7 | 9/6/2012 | acceptable | 0.2193 | 1.64592 | 25 | 1 | Pb | 0.019 | 190 | 15 |
| 2012-08687- 8 | LBP-8 | 9/6/2012 | acceptable | 0.2035 | 1.70300 | 25 | 50 | Pb | 1 | 10000 | 16 |
| 2012-08687- 9 | LBP-9 | 9/6/2012 | acceptable | 0.0931 | 2.70434 | 25 | 50 | Pb | 3.6 | 36000 | 35 |
| 2012-08687- 10 | LBP-10 | 9/6/2012 | acceptable | 0.1692 | 0.84834 | 25 | 50 | Pb | 0.63 | 6300 | 19 |

Martin Esquer

Analyst: MARTIN A. ESQUER

Printed: 13-Sep-12

Original Print Date: 13-Sep-12

Larry S. Pierce

Larry S. Pierce, Approved Accreditation Signatory



Fiberquant Analytical Services 5025 S. 33rd St.,
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

Submitted by (Company) **Strata, Inc.**
 Address **8653 W Hackamore Drive**
 City, State, Zip Code **Boise, ID 83704**
 Phone **208-376-8200** FAX **208-376-8201**
 Email **cbrischler@stratageotech.com**

Invoice to (Company) **Strata, Inc.**
 Address **same**
 City, State, Zip Code
 Phone FAX

Contact (print) **Cristina Brischler**
 Sampled by (signature)
 Job Number or Project Name **Quinn Coliseum**
 PO Number **ON12030A**

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|---|--|---|--|---|---|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input type="checkbox"/> All <input type="checkbox"/> ATPF <input type="checkbox"/> | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: <input checked="" type="radio"/> Pb <input type="radio"/> Other | <6 hrs <input type="checkbox"/> | 2-3 days <input checked="" type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> | | | | |
| | by Weight <input checked="" type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| Wipe <input type="checkbox"/> | Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|---------------|--|-------------|-------------|----------|
| 1) LBP-1 | white wall paint | 9/6/12 | | |
| 2) LBP-2 | white door paint | | | |
| 3) LBP-3 | dark blue door paint | | | |
| 4) LBP-4 | dark green concrete floor paint | | | |
| 5) LBP-5 | Sage green door paint | | | |
| 6) LBP-6 | lt. blue wall paint | | | |
| 7) LBP-7 | beige wall paint | | | |
| 8) LBP-8 | (yellow) door paint | | | |
| 9) LBP-9 | brown door jamb paint | | | |
| 10) LBP-10 | lt. green concrete wall paint | | | |
| 11) | | | | |
| 12) | | | | |
| 13) | | | | |
| 14) | | | | |
| 15) | | | | |
| 16) | | | | |
| 17) | | | | |
| 18) | | | | |
| 19) | | | | |
| 20) | | | | |

| | | | | | |
|--|----------------------|-----------------------|---------------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 0852 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:42 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | Print Name FIX | Page 1 of 1 | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208687 *[Signature]*



Polarized Light Microscope (PLM) Analysis for Asbestos in Bulk Sample

JobNumber: 201208688

Client:

STRATA INC

8653 W HACKAMORE DR

BOISE, ID 83704-0000

Office Phone: (208) 376-8200

FAX: (208) 376-8201

Samples: 139 **PLM** **Rec:** 9/11/2012 **Method:** EPA 600/R-93/116 **The "New" Method;** see below
Client Job: Quinn Coliseum **PO Number:** ON12030A
Report Date: 9/14/2012 **Date Analyzed:** 9/14/2012 **Routing Number:** -

Method and Analysis Information: **Fiberquant Internal SOP:** PLMn

Each bulk sample is first dissected under a 7-30x magnification stereo-microscope. This examination is used to determine the general type of sample, how many and what type of layers it has, and initial estimates of fiber types and quantities. Second, liquid media mounts are made of each layer - such mounts may be of selected fibers (used solely for identification purposes) or may be representative of the layer as a whole (used for quantitation purposes). The mounts may be made in a synthetic Canadian balsam, one of several solvents, or in refractive index oils (media of known refractive index). Generally, a variety of different mounts are made: some optimized for fiber visibility, some optimized for fiber identification, and some optimized for fiber quantitation. The mounted slides are then examined at 50-400x magnification on a Nikon Labphot-pol microscope. Optical characteristics are used to identify each observed fiber type; the optical data are contained for each sample on its detail analysis sheet, attached.

Current EPA and NESHAP regulations designate a result of $\leq 1\%$ asbestos as "negative" and $> 1\%$ asbestos as "positive". Samples containing layers that have been determined to be "positive" may have to be handled differently during a renovation or demolition than samples whose layers have been determined to be "negative."

The method of fiber identification and quantitation is the "Standard Operating Procedures for the Analysis of Asbestos in Bulk Samples using Polarized Light Microscopy", Chapter 7 of the Quality Assurance and Management Manual. This SOP and its associated reporting have been designed to satisfy all requirements in both EPA Method 600/M4-82-020 (The Interim Method) and EPA Method 600/R-93/116 (The New Method). The Interim Method is the required method for AHERA (US EPA 40 CFR Pt. 763), but this method calls for the reporting of composited results of multi-layered samples that is no longer an acceptable reporting practice in most circumstances. Current EPA rules, such as NESHAP (US EPA 40CFR Pt. 61), as well as NVLAP accreditation policies, call for separate reporting for each layer of multi-layered samples. The New Method contains the same procedures for identification and quantification of asbestos as does the Interim Method, except that multi-layered samples are reported to comply with the latest US EPA rule. Fiberquant not only reports the asbestos content of each layer of multi-layered samples separately (satisfying current EPA and NVLAP reporting requirements), but Fiberquant also reports what percentage of the sample each layer comprises. Therefore, the results may be arithmetically composited to satisfy the reporting requirements of the Interim Method. The method of fiber quantitation is an estimation technique in which the analysts quantitation is routinely calibrated by reference quantitation standards, and which has been shown to be equivalent in precision and accuracy to point counting. Friability is estimated for the purposes of deciding when to point count. Friabilities determined in the field take precedence over those determined in the laboratory. Those sample layers which are friable and estimated by the analyst to contain $\leq 1\%$ asbestos are point counted using 400 points. Such point counting is required by NESHAP (National Emission Standards for Hazardous Air Pollutants, Nov. 1990) in order to rely on analytical results that are $\leq 1\%$. The coefficient of variation for the estimation quantitation technique is 100% in the range 0-5%. This means that PLM analysis is not capable of conclusively determining whether a layer containing close to 1% asbestos is actually "positive" or "negative". For this reason, Fiberquant refers to results where asbestos was detected but $\leq 1\%$ as "borderline negative", and results where asbestos was $> 1\%$ but $\leq 2\%$ as "borderline positive" to indicate the uncertainty in assigning a "positive" or "negative" label. In the sample summary, "ND" means that no asbestos was detected during the analysis. A "Tr" or "Trace" of asbestos reported is defined for our purposes as the detection of several asbestos fibers during the analysis; this level would be right at the limit of detection for the method. Trace is only reported on the analysis detail - in the summary a trace would be reported as $\leq 1\%$. The limit of detection (the smallest % of asbestos that can be detected) varies greatly depending on the matrix in which the asbestos is found. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 1% stated in the method. During the analysis, the analyst, for Fiberquant identification purposes only, determines the "apparent sample type" and "apparent layer types." It must be emphasized that these types are only what is apparent. Often, different materials appear similar or identical after sampling, so the analyst may assign a type other than what was sampled.

Floor tiles present a special problem for PLM asbestos analysis. Floor tile can contain chrysotile fibers so thin that they cannot be resolved by optical methods. In such a case, we may observe a percentage of asbestos which is lower than the actual percentage, or not observe asbestos at all when some is present. For this reason, floor tiles reported as negative should be confirmed to be negative using transmission electron microscope (TEM) analysis. Likewise, vermiculite insulation materials containing traces of asbestiform asbestos present a problem for routine PLM analysis - the amphiboles are sometimes present in trace amounts inhomogeneously distributed. For this reason, loose vermiculite samples reported as negative should be confirmed to contain no amphibole using hydroseparation techniques.

The samples were analyzed under the following ongoing quality assurance program: Blank samples are routinely analyzed to maintain contamination-free materials. Each analyst has at least a bachelor's degree in physical science, and has also completed extensive training specific to asbestos analysis for 1-3 months before being allowed to analyze client samples. Qualitative reference samples are routinely analyzed to assure that analysts can identify asbestos and asbestos-look-alike fibers. Quantitative reference samples are routinely analyzed to calibrate and characterize the

estimation procedure. Microscope alignment is checked each day. Refractive index oils are calibrated at least quarterly. At least 10% of client samples are re-analyzed from scratch by a different analyst than the original, and any discrepancies are resolved for the sample and similar sample types before the results are reported. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. All analysts participate in interlab round robins and proficiency testing to assure competence. Fiberquant is accredited by NVLAP (Lab #101031) for the analysis of bulk samples for asbestos using PLM. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

Sample # M-ACP-040D was listed on client chain-of-custody but later removed. This sample was mistakenly added to job but not received.

PLM Analysis Summary:

Job Number: 201208688 Quinn Coliseum

| Sample Number | Lab Number | Apparent Sample Type * | Positive Layer Yes or No |
|-----------------------------------|---------------------------|------------------------|--------------------------|
| Layer Color Apparent Layer Type * | Asbestos Results | | |
| Sample # M-VFT-001A | 2012-08688- 1 | Flooring | Positive Layer? Yes |
| Layer # 1 off-white floor tile | no asbestos detected | | |
| Layer # 2 black mastic | 5-10% chrysotile asbestos | | |
| Sample # M-VFT-001B | 2012-08688- 2 | Flooring | Positive Layer? Yes |
| Layer # 1 off-white floor tile | no asbestos detected | | |
| Layer # 2 yellow mastic | no asbestos detected | | |
| Layer # 3 black mastic | 5-10% chrysotile asbestos | | |
| Sample # M-VFT-001C | 2012-08688- 3 | Flooring | Positive Layer? Yes |
| Layer # 1 off-white floor tile | no asbestos detected | | |
| Layer # 2 yellow mastic | no asbestos detected | | |
| Layer # 3 black mastic | 5-10% chrysotile asbestos | | |
| Sample # M-CBM-002A | 2012-08688- 4 | Miscellaneous | Positive Layer? No |
| Layer # 1 brown base cove | no asbestos detected | | |
| Layer # 2 brown mastic | no asbestos detected | | |
| Sample # M-CBM-002B | 2012-08688- 5 | Miscellaneous | Positive Layer? No |
| Layer # 1 brown base cove | no asbestos detected | | |
| Layer # 2 brown mastic | no asbestos detected | | |
| Sample # M-CBM-002C | 2012-08688- 6 | Miscellaneous | Positive Layer? No |
| Layer # 1 brown base cove | no asbestos detected | | |
| Layer # 2 brown mastic | no asbestos detected | | |
| Sample # M-CBM-003A | 2012-08688- 7 | Miscellaneous | Positive Layer? No |
| Layer # 1 blue base cove | no asbestos detected | | |
| Layer # 2 off-white mastic | no asbestos detected | | |
| Sample # M-CBM-003B | 2012-08688- 8 | Miscellaneous | Positive Layer? No |
| Layer # 1 blue base cove | no asbestos detected | | |
| Layer # 2 off-white mastic | no asbestos detected | | |
| Layer # 3 brown mastic | no asbestos detected | | |
| Sample # M-CBM-003C | 2012-08688- 9 | Miscellaneous | Positive Layer? No |
| Layer # 1 blue base cove | no asbestos detected | | |
| Layer # 2 off-white mastic | no asbestos detected | | |
| Layer # 3 brown mastic | no asbestos detected | | |
| Sample # M-CBM-004A | 2012-08688- 10 | Miscellaneous | Positive Layer? No |
| Layer # 1 off-white base cove | no asbestos detected | | |
| Layer # 2 off-white mastic | no asbestos detected | | |
| Layer # 3 brown mastic | no asbestos detected | | |
| Sample # M-CBM-004B | 2012-08688- 11 | Miscellaneous | Positive Layer? No |
| Layer # 1 off-white base cove | no asbestos detected | | |
| Layer # 2 off-white mastic | no asbestos detected | | |
| Sample # M-CBM-004C | 2012-08688- 12 | Miscellaneous | Positive Layer? No |
| Layer # 1 off-white base cove | no asbestos detected | | |
| Layer # 2 off-white mastic | no asbestos detected | | |
| Sample # M-CPT-005A | 2012-08688- 13 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | no asbestos detected | | |
| Layer # 2 tan mastic | no asbestos detected | | |
| Sample # M-CPT-005B | 2012-08688- 14 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | no asbestos detected | | |
| Layer # 2 tan mastic | no asbestos detected | | |
| Sample # M-CPT-005C | 2012-08688- 15 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | no asbestos detected | | |
| Layer # 2 tan mastic | no asbestos detected | | |
| Sample # M-CPT-006A | 2012-08688- 16 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | no asbestos detected | | |
| Sample # M-CPT-006B | 2012-08688- 17 | Carpet | Positive Layer? No |
| Layer # 1 various carpet | no asbestos detected | | |
| Layer # 2 tan mastic | no asbestos detected | | |

| | | | | |
|----------|---------------------------|----------------|------------------------|------------------------------------|
| Sample # | <u>M-CPT-006C</u> | 2012-08688- 18 | Carpet | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-007A</u> | 2012-08688- 19 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | texture/joint compound | <i><=1% chrysotile asbestos</i> |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-007B</u> | 2012-08688- 20 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | texture/joint compound | <i><=1% chrysotile asbestos</i> |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-007C</u> | 2012-08688- 21 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | texture/joint compound | <i><=1% chrysotile asbestos</i> |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> |
| Sample # | <u>M-CONC-008A</u> | 2012-08688- 22 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| Sample # | <u>M-CONC-008B</u> | 2012-08688- 23 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | gray | concrete | <i>no asbestos detected</i> |
| Sample # | <u>M-CONC-008C</u> | 2012-08688- 24 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-009A</u> | 2012-08688- 25 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-009B</u> | 2012-08688- 26 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-009C</u> | 2012-08688- 27 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-010A</u> | 2012-08688- 28 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-010B</u> | 2012-08688- 29 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-010C</u> | 2012-08688- 30 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACP-010D</u> | 2012-08688- 31 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-011A</u> | 2012-08688- 32 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | brown | mastic | <i>no asbestos detected</i> |
| | Layer # 4 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 5 | off-white | plaster | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-011B</u> | 2012-08688- 33 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | brown | mastic | <i>no asbestos detected</i> |
| | Layer # 4 | off-white | paint | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-011C</u> | 2012-08688- 34 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | off-white | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | brown | mastic | <i>no asbestos detected</i> |
| | Layer # 4 | off-white | paint | <i>no asbestos detected</i> |
| Sample # | <u>M-CPT-012A</u> | 2012-08688- 35 | Carpet | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> |
| Sample # | <u>M-CPT-012B</u> | 2012-08688- 36 | Carpet | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> |
| Sample # | <u>M-CPT-012C</u> | 2012-08688- 37 | Carpet | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-013A</u> | 2012-08688- 38 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | plaster (top coat) | <i>no asbestos detected</i> |

| | | | | | | |
|----------|--------------------------|-----------|------------------------|-------------------------------------|--|---------------------|
| Sample # | <u>M-WS-013B</u> | | 2012-08688- 39 | Wall System | | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | white | plaster (top coat) | <i>no asbestos detected</i> | | |
| | Layer # 3 | off-white | plaster (scratch coat) | <i>no asbestos detected</i> | | |
| Sample # | <u>M-WS-013C</u> | | 2012-08688- 40 | Wall System | | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | tan | paper/cardboard | <i>no asbestos detected</i> | | |
| | Layer # 3 | white | plaster (top coat) | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CPT-014A</u> | | 2012-08688- 41 | Carpet | | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> | | |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CPT-014B</u> | | 2012-08688- 42 | Carpet | | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> | | |
| | Layer # 2 | tan | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CPT-014C</u> | | 2012-08688- 43 | Carpet | | Positive Layer? No |
| | Layer # 1 | various | carpet | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CBM-015A</u> | | 2012-08688- 44 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | black | base cove | <i>no asbestos detected</i> | | |
| | Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | | |
| | Layer # 3 | off-white | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CBM-015B</u> | | 2012-08688- 45 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | base cove | <i>no asbestos detected</i> | | |
| | Layer # 3 | off-white | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CBM-015C</u> | | 2012-08688- 46 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | base cove | <i>no asbestos detected</i> | | |
| | Layer # 3 | off-white | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-PAR-016A</u> | | 2012-08688- 47 | Flooring | | Positive Layer? Yes |
| | Layer # 1 | yellow | polymer | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | mastic | <i>2-5% chrysotile asbestos</i> | | |
| | Layer # 3 | brown | cork | <i>no asbestos detected</i> | | |
| | Layer # 4 | tan | wood | <i>no asbestos detected</i> | | |
| Sample # | <u>M-PAR-016B</u> | | 2012-08688- 48 | Flooring | | Positive Layer? Yes |
| | Layer # 1 | yellow | polymer | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | mastic | <i>2-5% chrysotile asbestos</i> | | |
| | Layer # 3 | brown | cork | <i>no asbestos detected</i> | | |
| | Layer # 4 | tan | wood | <i>no asbestos detected</i> | | |
| Sample # | <u>M-PAR-016C</u> | | 2012-08688- 49 | Flooring | | Positive Layer? Yes |
| | Layer # 1 | yellow | polymer | <i>no asbestos detected</i> | | |
| | Layer # 2 | black | mastic | <i>2-5% chrysotile asbestos</i> | | |
| | Layer # 3 | brown | cork | <i>no asbestos detected</i> | | |
| | Layer # 4 | tan | wood | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CFT-017A</u> | | 2012-08688- 50 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CFT-017B</u> | | 2012-08688- 51 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | gray | grout | <i>no asbestos detected</i> | | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | | |
| | Layer # 4 | off-white | leveling compound | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CFT-017C</u> | | 2012-08688- 52 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | blue | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | gray | mortar | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CWT-018A</u> | | 2012-08688- 53 | Miscellaneous | | Positive Layer? Yes |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | | |
| | Layer # 4 | off-white | leveling compound | <i>no asbestos detected</i> | | |
| | Layer # 5 | black | mastic | <i>>1-2% chrysotile asbestos</i> | | |
| Sample # | <u>M-CWT-018B</u> | | 2012-08688- 54 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | white | grout | <i>no asbestos detected</i> | | |
| | Layer # 3 | gray | mortar | <i>no asbestos detected</i> | | |
| | Layer # 4 | yellow | mastic | <i>no asbestos detected</i> | | |
| Sample # | <u>M-CWT-018C</u> | | 2012-08688- 55 | Miscellaneous | | Positive Layer? No |
| | Layer # 1 | white | ceramic | <i>no asbestos detected</i> | | |
| | Layer # 2 | gray | mortar | <i>no asbestos detected</i> | | |
| Sample # | <u>M-WS-019A</u> | | 2012-08688- 56 | Wall System | | Positive Layer? No |
| | Layer # 1 | off-white | paint | <i>no asbestos detected</i> | | |
| | Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | | |
| | Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | | |
| | Layer # 4 | white | drywall core | <i>no asbestos detected</i> | | |

| | | | | |
|-----------|--------------------------|------------------------|-----------------------------|--------------------|
| Sample # | <u>M-WS-019B</u> | 2012-08688- 57 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-WS-019C</u> | 2012-08688- 58 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-WS-019D</u> | 2012-08688- 59 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-CS-020A</u> | 2012-08688- 60 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-CS-020B</u> | 2012-08688- 61 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-CS-020C</u> | 2012-08688- 62 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACT-021A</u> | 2012-08688- 63 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACT-021B</u> | 2012-08688- 64 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACT-021C</u> | 2012-08688- 65 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-023A</u> | 2012-08688- 66 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | glue | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-023B</u> | 2012-08688- 67 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | glue | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-023C</u> | 2012-08688- 68 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | tan | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | brown | glue | <i>no asbestos detected</i> | |
| Sample # | <u>M-VFT-024A</u> | 2012-08688- 69 | Flooring | Positive Layer? No |
| Layer # 1 | blue | floor tile | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | mastic | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | floor tile | <i>no asbestos detected</i> | |
| Layer # 4 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-VFT-024B</u> | 2012-08688- 70 | Flooring | Positive Layer? No |
| Layer # 1 | blue | floor tile | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | mastic | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | floor tile | <i>no asbestos detected</i> | |
| Layer # 4 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-VFT-024C</u> | 2012-08688- 71 | Flooring | Positive Layer? No |
| Layer # 1 | blue | floor tile | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | mastic | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | floor tile | <i>no asbestos detected</i> | |
| Layer # 4 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-025A</u> | 2012-08688- 72 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | silver | foil | <i>no asbestos detected</i> | |

| | | | | |
|-----------|-------------------|------------------------|------------------------------------|---------------------|
| Sample # | M-ACP-025B | 2012-08688- 73 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | silver | foil | <i>no asbestos detected</i> | |
| Sample # | M-ACP-025C | 2012-08688- 74 | Acoustical Tile | Positive Layer? No |
| Layer # 1 | white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | yellow | acoustical tile | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | silver | foil | <i>no asbestos detected</i> | |
| Sample # | M-LIN-026A | 2012-08688- 75 | Flooring | Positive Layer? No |
| Layer # 1 | various | sheet flooring surface | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | sheet flooring backing | <i>no asbestos detected</i> | |
| Layer # 3 | tan | mastic | <i><=1% chrysotile asbestos</i> | |
| Sample # | M-LIN-026B | 2012-08688- 76 | Flooring | Positive Layer? No |
| Layer # 1 | various | sheet flooring surface | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | sheet flooring backing | <i>no asbestos detected</i> | |
| Layer # 3 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | M-LIN-026C | 2012-08688- 77 | Flooring | Positive Layer? No |
| Layer # 1 | tan | mastic | <i>no asbestos detected</i> | |
| Layer # 2 | various | sheet flooring surface | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | sheet flooring backing | <i>no asbestos detected</i> | |
| Layer # 4 | tan | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-027A | 2012-08688- 78 | Miscellaneous | Positive Layer? No |
| Layer # 1 | purple | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Layer # 3 | yellow | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-027B | 2012-08688- 79 | Miscellaneous | Positive Layer? No |
| Layer # 1 | purple | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-027C | 2012-08688- 80 | Miscellaneous | Positive Layer? No |
| Layer # 1 | purple | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | brown | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-028A | 2012-08688- 81 | Miscellaneous | Positive Layer? No |
| Layer # 1 | gray | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-028B | 2012-08688- 82 | Miscellaneous | Positive Layer? No |
| Layer # 1 | gray | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | M-CBM-028C | 2012-08688- 83 | Miscellaneous | Positive Layer? No |
| Layer # 1 | gray | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | M-VFT-030A | 2012-08688- 84 | Flooring | Positive Layer? Yes |
| Layer # 1 | green | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-030B | 2012-08688- 85 | Flooring | Positive Layer? Yes |
| Layer # 1 | green | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-030C | 2012-08688- 86 | Flooring | Positive Layer? Yes |
| Layer # 1 | green | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-030D | 2012-08688- 87 | Flooring | Positive Layer? Yes |
| Layer # 1 | green | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-031A | 2012-08688- 88 | Flooring | Positive Layer? Yes |
| Layer # 1 | tan | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-031B | 2012-08688- 89 | Flooring | Positive Layer? Yes |
| Layer # 1 | tan | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-VFT-031C | 2012-08688- 90 | Flooring | Positive Layer? Yes |
| Layer # 1 | tan | floor tile | <i>5-10% chrysotile asbestos</i> | |
| Layer # 2 | black | mastic | <i>5-10% chrysotile asbestos</i> | |
| Sample # | M-WS-032A | 2012-08688- 91 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | white | plaster (top coat) | <i>no asbestos detected</i> | |
| Layer # 3 | tan | plaster (scratch coat) | <i>no asbestos detected</i> | |
| Layer # 4 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 5 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | M-WS-032B | 2012-08688- 92 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | white | plaster (top coat) | <i>no asbestos detected</i> | |
| Layer # 3 | tan | plaster (scratch coat) | <i>no asbestos detected</i> | |

| | | | | | |
|----------|----------------------------|-----------|-----------------|------------------------|----------------------------------|
| Sample # | <u>M-WS-032C</u> | | 2012-08688- 93 | Cementitious | Positive Layer? No |
| | Layer # 1 | various | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | stucco | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-033A</u> | | 2012-08688- 94 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | | surface | <i>no asbestos detected</i> |
| | Layer # 2 | yellow | | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | glue | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-033B</u> | | 2012-08688- 95 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | | surface | <i>no asbestos detected</i> |
| | Layer # 2 | yellow | | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | glue | <i>no asbestos detected</i> |
| | Layer # 4 | brown | | glue | <i>no asbestos detected</i> |
| Sample # | <u>M-ACT-033C</u> | | 2012-08688- 96 | Acoustical Tile | Positive Layer? No |
| | Layer # 1 | white | | surface | <i>no asbestos detected</i> |
| | Layer # 2 | yellow | | acoustical tile | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | glue | <i>no asbestos detected</i> |
| | Layer # 4 | brown | | glue | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-034A</u> | | 2012-08688- 97 | Miscellaneous | Positive Layer? Yes |
| | Layer # 1 | black | | mastic | <i>5-10% chrysotile asbestos</i> |
| | Layer # 2 | tan | | ceramic | <i>no asbestos detected</i> |
| | Layer # 3 | gray | | mortar | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-034B</u> | | 2012-08688- 98 | Miscellaneous | Positive Layer? Yes |
| | Layer # 1 | black | | mastic | <i>5-10% chrysotile asbestos</i> |
| | Layer # 2 | tan | | ceramic | <i>no asbestos detected</i> |
| | Layer # 3 | gray | | mortar | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-034C</u> | | 2012-08688- 99 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | tan | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | mortar | <i>no asbestos detected</i> |
| Sample # | <u>M-CWT-035A</u> | | 2012-08688- 100 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | ceramic | <i>no asbestos detected</i> |
| Sample # | <u>M-CWT-035B</u> | | 2012-08688- 101 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-CWT-035C</u> | | 2012-08688- 102 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-CAULK-037A</u> | | 2012-08688- 103 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | off-white | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | clear | | sealant | <i>no asbestos detected</i> |
| Sample # | <u>M-CAULK-037B</u> | | 2012-08688- 104 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | off-white | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | clear | | sealant | <i>no asbestos detected</i> |
| | Layer # 3 | black | | sealant | <i>no asbestos detected</i> |
| Sample # | <u>M-CAULK-037C</u> | | 2012-08688- 105 | Adhesive/caulk | Positive Layer? No |
| | Layer # 1 | tan | | sealant | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-038A</u> | | 2012-08688- 106 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-038B</u> | | 2012-08688- 107 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-CFT-038C</u> | | 2012-08688- 108 | Miscellaneous | Positive Layer? No |
| | Layer # 1 | off-white | | ceramic | <i>no asbestos detected</i> |
| | Layer # 2 | gray | | grout | <i>no asbestos detected</i> |
| Sample # | <u>M-ROOF-039A</u> | | 2012-08688- 109 | Roofing | Positive Layer? No |
| | Layer # 1 | black | | roof ply/bitumen | <i>no asbestos detected</i> |
| | Layer # 2 | tan | | plaster | <i>no asbestos detected</i> |
| Sample # | <u>M-ROOF-039B</u> | | 2012-08688- 110 | Roofing | Positive Layer? No |
| | Layer # 1 | black | | roof ply/bitumen | <i>no asbestos detected</i> |
| | Layer # 2 | tan | | plaster | <i>no asbestos detected</i> |
| Sample # | <u>M-ROOF-039C</u> | | 2012-08688- 111 | Roofing | Positive Layer? No |
| | Layer # 1 | black | | roof ply/bitumen | <i>no asbestos detected</i> |
| | Layer # 2 | tan | | plaster | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-041A</u> | | 2012-08688- 112 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | | texture/joint compound | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | | drywall core | <i>no asbestos detected</i> |
| Sample # | <u>M-WS-041B</u> | | 2012-08688- 113 | Wall System | Positive Layer? No |
| | Layer # 1 | off-white | | paint | <i>no asbestos detected</i> |
| | Layer # 2 | white | | texture/joint compound | <i>no asbestos detected</i> |
| | Layer # 3 | tan | | paper/cardboard | <i>no asbestos detected</i> |
| | Layer # 4 | white | | drywall core | <i>no asbestos detected</i> |

| | | | | |
|-----------|--------------------------|------------------------|------------------------------------|--------------------|
| Sample # | <u>M-WS-041C</u> | 2012-08688- 114 | Wall System | Positive Layer? No |
| Layer # 1 | off-white | paint | <i>no asbestos detected</i> | |
| Layer # 2 | white | texture/joint compound | <i>no asbestos detected</i> | |
| Layer # 3 | tan | paper/cardboard | <i>no asbestos detected</i> | |
| Layer # 4 | white | drywall core | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-042A</u> | 2012-08688- 115 | Miscellaneous | Positive Layer? No |
| Layer # 1 | white | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | white | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-042B</u> | 2012-08688- 116 | Miscellaneous | Positive Layer? No |
| Layer # 1 | white | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | white | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-042C</u> | 2012-08688- 117 | Miscellaneous | Positive Layer? No |
| Layer # 1 | white | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | white | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-043A</u> | 2012-08688- 118 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-043B</u> | 2012-08688- 119 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-043C</u> | 2012-08688- 120 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-ACP-040D</u> | 2012-08688- 121 | Not Analyzed | |
| Sample # | <u>M-CFT-044A</u> | 2012-08688- 122 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-044B</u> | 2012-08688- 123 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-044C</u> | 2012-08688- 124 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | <i>no asbestos detected</i> | |
| Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-WG-045A</u> | 2012-08688- 125 | Adhesive/caulk | Positive Layer? No |
| Layer # 1 | white | surface | <i>no asbestos detected</i> | |
| Layer # 2 | gray | putty | <i><=1% chrysotile asbestos</i> | |
| Sample # | <u>M-WG-045B</u> | 2012-08688- 126 | Adhesive/caulk | Positive Layer? No |
| Layer # 1 | white | surface | <i>no asbestos detected</i> | |
| Layer # 2 | gray | putty | <i><=1% chrysotile asbestos</i> | |
| Sample # | <u>M-WG-045C</u> | 2012-08688- 127 | Adhesive/caulk | Positive Layer? No |
| Layer # 1 | white | surface | <i>no asbestos detected</i> | |
| Layer # 2 | gray | putty | <i><=1% chrysotile asbestos</i> | |
| Sample # | <u>M-CFT-046A</u> | 2012-08688- 128 | Miscellaneous | Positive Layer? No |
| Layer # 1 | green | tile | <i>no asbestos detected</i> | |
| Layer # 2 | tan | tile | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-046B</u> | 2012-08688- 129 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | tile | <i>no asbestos detected</i> | |
| Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Layer # 3 | gray | mortar | <i>no asbestos detected</i> | |
| Sample # | <u>M-CFT-046C</u> | 2012-08688- 130 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | tile | <i>no asbestos detected</i> | |
| Layer # 2 | gray | grout | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-047A</u> | 2012-08688- 131 | Miscellaneous | Positive Layer? No |
| Layer # 1 | white | tile | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | grout | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | mortar | <i>no asbestos detected</i> | |
| Layer # 4 | green | tile | <i>no asbestos detected</i> | |
| Layer # 5 | off-white | grout | <i>no asbestos detected</i> | |
| Layer # 6 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-047B</u> | 2012-08688- 132 | Miscellaneous | Positive Layer? No |
| Layer # 1 | white | tile | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | grout | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | mortar | <i>no asbestos detected</i> | |
| Layer # 4 | green | tile | <i>no asbestos detected</i> | |
| Layer # 5 | off-white | grout | <i>no asbestos detected</i> | |
| Layer # 6 | off-white | mastic | <i>no asbestos detected</i> | |
| Sample # | <u>M-CWT-047C</u> | 2012-08688- 133 | Miscellaneous | Positive Layer? No |
| Layer # 1 | white | tile | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | grout | <i>no asbestos detected</i> | |
| Layer # 3 | off-white | mortar | <i>no asbestos detected</i> | |
| Sample # | <u>M-CBM-048A</u> | 2012-08688- 134 | Miscellaneous | Positive Layer? No |
| Layer # 1 | green | base cove | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | <i>no asbestos detected</i> | |

| | | | | | |
|-----------|-----------------------------|-----------|-----------------|-----------------------------|--------------------|
| Sample # | <u>M-CBM-048B</u> | | 2012-08688- 135 | Miscellaneous | Positive Layer? No |
| Layer # 1 | green | base cove | | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | | <i>no asbestos detected</i> | |
| Sample # | <u>M-CBM-048C</u> | | 2012-08688- 136 | Miscellaneous | Positive Layer? No |
| Layer # 1 | green | base cove | | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | mastic | | <i>no asbestos detected</i> | |
| Sample # | <u>M-CERCBM-049A</u> | | 2012-08688- 137 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | grout | | <i>no asbestos detected</i> | |
| Sample # | <u>M-CERCBM-049B</u> | | 2012-08688- 138 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | grout | | <i>no asbestos detected</i> | |
| Layer # 3 | gray | mastic | | <i>no asbestos detected</i> | |
| Sample # | <u>M-CERCBM-049C</u> | | 2012-08688- 139 | Miscellaneous | Positive Layer? No |
| Layer # 1 | tan | ceramic | | <i>no asbestos detected</i> | |
| Layer # 2 | off-white | grout | | <i>no asbestos detected</i> | |
| Layer # 3 | gray | mastic | | <i>no asbestos detected</i> | |

* Apparent Sample Types and Apparent Layer Types are as they appeared to the analyst. Since many types of materials appear similar after sampling damage, the apparent type of material may not be the actual type of material.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-001A **Lab Number** 2012-08688- 1 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Flooring Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 99 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-001B **Lab Number** 2012-08688- 2 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Flooring Non-fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-001C **Lab Number** 2012-08688- 3 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|-------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-CBM-002A **Lab Number** 2012-08688- 4 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | brown | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-002B **Lab Number** 2012-08688- 5 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | brown | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-002C **Lab Number** 2012-08688- 6 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | brown | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-003A **Lab Number** 2012-08688- 7 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-003B **Lab Number** 2012-08688- 8 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|---|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 97 | blue | 1 | n.d. | n.d. | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 3 | mastic | 1 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | <=1% | - | - | - | - |
| Fiber Identification: talc and transitional non-fibrous tremolit | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | talc and transitional talc fiber | W | B | N | N | H | + | P | 1.605 | gb/dr | w/b | 1.601 | <1.60 |
| 2 | non-fibrous tremolite/actinolite | W | G | N | N | M | + | O | 1.605 | vg/y | gb/dr | 1.619 | 1.601 |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed. Note: sample contained transitional talc and/or non-fibrous tremolite/actinolite. Transitional talc is an intimate mixture of anthophyllite and talc. Even though it may have been asbestos once, the EPA has ruled not to regulate 'fibers of mixed mineral assemblage'. However, these fibers may be regulated when analyzed by TEM, since some are indistinguishable from anthophyllite asbestos. Likewise, non-fibrous tremolite/actinolite, while not regulated by EPA, may be counted (and thus regulated) when analyzed by TEM.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-003C **Lab Number** 2012-08688- 9 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|--|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 97 | blue | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 3 | mastic | 1 | brown | 1 | <=1% | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | <=1% | <=1% | <=1% | - | - | - |
| Fiber Identification: | | | | | talc and transitional non-fibrous tremolit cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | talc and transitional talc fiber | W | B | N | N | H | + | P | 1.605 | gb/dr | w/b | 1.601 | <1.60 |
| 2 | non-fibrous tremolite/actinolite | W | G | N | N | M | + | O | 1.605 | vg/y | gb/dr | 1.619 | 1.601 |
| 3 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed. Note: sample contained transitional talc and/or non-fibrous tremolite/actinolite. Transitional talc is an intimate mixture of anthophyllite and talc. Even though it may have been asbestos once, the EPA has ruled not to regulate 'fibers of mixed mineral assemblage'. However, these fibers may be regulated when analyzed by TEM, since some are indistinguishable from anthophyllite asbestos. Likewise, non-fibrous tremolite/actinolite, while not regulated by EPA, may be counted (and thus regulated) when analyzed by TEM.

Sample M-CBM-004A **Lab Number** 2012-08688- 10 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | off-white | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-004B **Lab Number** 2012-08688- 11 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-004C **Lab Number** 2012-08688- 12 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CPT-005A **Lab Number** 2012-08688- 13 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 93 | various | 1 | 80-90% | - | - | - | - | - |
| 2 | mastic | 7 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 70-80% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-005B **Lab Number** 2012-08688- 14 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 80-90% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 80-90% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-005C **Lab Number** 2012-08688- 15 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 80-90% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 80-90% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-006A **Lab Number** 2012-08688- 16 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 100 | various | 1 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | | 90-100% | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps.

Sample M-CPT-006B **Lab Number** 2012-08688- 17 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | | 90-100% | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-006C **Lab Number** 2012-08688- 18 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | | 90-100% | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-007A **Lab Number** 2012-08688- 19 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | texture/joint compound | 1 | white | 3 | <=1% | n.d. | n.d. | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | n.d. | 90-100% | n.d. | - | - | - |
| 4 | drywall core | 93 | white | 3 | n.d. | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | <=1% | 5-10% | <=1% | - | - | - |

Fiber Identification: chrysotile asbestos cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 | 1.549 |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | glass fiber | CL | D | Y | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 2 asbestos counts per 400 total counts = .5 percent.

Sample M-WS-007B **Lab Number** 2012-08688- 20 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | texture/joint compound | 1 | white | 3 | <=1% | n.d. | n.d. | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | n.d. | 90-100% | n.d. | - | - | - |
| 4 | drywall core | 93 | white | 3 | n.d. | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | <=1% | 5-10% | <=1% | - | - | - |

Fiber Identification: chrysotile asbestos cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 | 1.549 |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | glass fiber | CL | D | Y | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 2 asbestos counts per 400 total counts = .5 percent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-007C **Lab Number** 2012-08688- 21 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | texture/joint compound | 1 | white | 3 | <=1% | n.d. | n.d. | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | n.d. | 90-100% | n.d. | - | - | - |
| 4 | drywall core | 93 | white | 3 | n.d. | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | <=1% | 5-10% | <=1% | - | - | - |

Fiber Identification: chrysotile asbestos cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 | 1.549 |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | glass fiber | CL | D | Y | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 1 asbestos counts per 400 total counts = .25 percent.

Sample M-CONC-008A **Lab Number** 2012-08688- 22 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous Yes **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): powder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 100 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CONC-008B **Lab Number** 2012-08688- 23 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 90 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | concrete | 10 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-CONC-008C **Lab Number** 2012-08688- 24 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 100 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-009A **Lab Number** 2012-08688- 25 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 98 | tan | 3 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-ACP-009B **Lab Number** 2012-08688- 26 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 98 | tan | 3 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-ACP-009C **Lab Number** 2012-08688- 27 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 98 | tan | 3 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-010A **Lab Number** 2012-08688- 28 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 98 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample M-ACP-010B **Lab Number** 2012-08688- 29 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 98 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample M-ACP-010C **Lab Number** 2012-08688- 30 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 98 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-010D **Lab Number** 2012-08688- 31 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 98 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample M-ACT-011A **Lab Number** 2012-08688- 32 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 5 **Pos Layer?** No **# Sub-Samples** 11
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 83 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| 3 | mastic | 11 | brown | | n.d. | n.d. | - | - | - | - |
| 4 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 5 | plaster | 3 | off-white | 2 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACT-011B **Lab Number** 2012-08688- 33 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 11
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 85 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| 3 | mastic | 12 | brown | | n.d. | n.d. | - | - | - | - |
| 4 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample M-ACT-011C **Lab Number** 2012-08688- 34 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 11
Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 85 | off-white | 3 | 10-20% | 10-20% | - | - | - | - |
| 3 | mastic | 12 | brown | | n.d. | n.d. | - | - | - | - |
| 4 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | 10-20% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CPT-012A **Lab Number** 2012-08688- 35 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-012B **Lab Number** 2012-08688- 36 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-012C **Lab Number** 2012-08688- 37 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-013A **Lab Number** 2012-08688- 38 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, rock, polymer

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|--------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | plaster (top coat) | 98 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: teased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

Sample M-WS-013B **Lab Number** 2012-08688- 39 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System Non-fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, rock, polymer

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | plaster (top coat) | 68 | white | 2 | n.d. | - | - | - | - | - |
| 3 | plaster (scratch coat) | 30 | off-white | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: teased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-WS-013C **Lab Number** 2012-08688- 40 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, rock, polymer

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|--------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | paper/cardboard | 8 | tan | 2 | 90-100% | - | - | - | - | - |
| 3 | plaster (top coat) | 90 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

Sample M-CPT-014A **Lab Number** 2012-08688- 41 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CPT-014B **Lab Number** 2012-08688- 42 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 99 | various | 1 | 90-100% | - | - | - | - | - |
| 2 | mastic | 1 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CPT-014C **Lab Number** 2012-08688- 43 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Carpet **Fibrous Mat**
Homogeneous Yes **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | carpet | 100 | various | 1 | 90-100% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | - | - | - | - | - |
| Fiber Identification: | | | | | synthetic fiber (extr | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | synthetic fiber (extruded) | V | E | N | N | H | + | P | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-015A **Lab Number** 2012-08688- 44 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | black | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | off-white | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-015B **Lab Number** 2012-08688- 45 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 0.5 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | base cove | 98 | black | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 1.5 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-015C **Lab Number** 2012-08688- 46 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | base cove | 97 | black | 1 | n.d. | - | - | - | - | - |
| 3 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-PAR-016A **Lab Number** 2012-08688- 47 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Flooring Non-fibrous Solid
Homogeneous No **# Layers** 4 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): polymer, wood,

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | polymer | 7 | yellow | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 2-5% | - | - | - | - | - |
| 3 | cork | 35 | brown | 2 | n.d. | - | - | - | - | - |
| 4 | wood | 55 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | pb/r | 1.561 | 1.549 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-PAR-016B **Lab Number** 2012-08688- 48 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): polymer, wood,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | polymer | 7 | yellow | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 2-5% | - | - | - | - | - |
| 3 | cork | 35 | brown | 2 | n.d. | - | - | - | - | - |
| 4 | wood | 55 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | pb/r | 1.561 | 1.549 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-PAR-016C **Lab Number** 2012-08688- 49 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** Yes **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): polymer, wood,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | polymer | 7 | yellow | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 2-5% | - | - | - | - | - |
| 3 | cork | 35 | brown | 2 | n.d. | - | - | - | - | - |
| 4 | wood | 55 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | pb/r | 1.561 | 1.549 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-017A **Lab Number** 2012-08688- 50 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 5 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Sample M-CFT-017B **Lab Number** 2012-08688- 51 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|-------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 77 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 15 | gray | 1 | n.d. | - | - | - | - | - |
| 4 | leveling compound | 3 | off-white | 3 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CFT-017C **Lab Number** 2012-08688- 52 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 95 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mortar | 5 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Sample M-CWT-018A **Lab Number** 2012-08688- 53 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 5 **Pos Layer?** Yes **# Sub-Samples** 15
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|---|-------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 79 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | grout | 5 | white | 2 | n.d. | n.d. | - | - | - | - |
| 3 | mortar | 5 | gray | 1 | n.d. | n.d. | - | - | - | - |
| 4 | leveling compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 5 | mastic | 1 | black | 1 | 2-5% | >1-2% | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | <=1% | - | - | - | - |
| Fiber Identification: cellulose fiber chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|-------------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 1.549 | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CWT-018B **Lab Number** 2012-08688- 54 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 12
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 91 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 3 | gray | 1 | n.d. | - | - | - | - | - |
| 4 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Sample M-CWT-018C **Lab Number** 2012-08688- 55 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 98 | white | 1 | n.d. | - | - | - | - | - |
| 2 | mortar | 2 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-019A **Lab Number** 2012-08688- 56 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-WS-019B **Lab Number** 2012-08688- 57 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-019C **Lab Number** 2012-08688- 58 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-WS-019D **Lab Number** 2012-08688- 59 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CS-020A **Lab Number** 2012-08688- 60 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-CS-020B **Lab Number** 2012-08688- 61 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CS-020C **Lab Number** 2012-08688- 62 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By MCJ 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|---|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 | |
| 1 | paint | 1 | off-white | 1 | n.d. | n.d. | - | - | - | - | |
| 2 | texture/joint compound | 10 | off-white | 3 | n.d. | n.d. | - | - | - | - | |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - | |
| 4 | drywall core | 84 | white | 3 | <=1% | <=1% | - | - | - | - | |
| Total % | | 100 | Overall % | | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-ACT-021A **Lab Number** 2012-08688- 63 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|--------|-------|-------|-------|-------|---|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 | |
| 1 | paint | 3 | off-white | 1 | n.d. | n.d. | - | - | - | - | |
| 2 | acoustical tile | 60 | yellow | 3 | 90-100% | n.d. | - | - | - | - | |
| 3 | mastic | 37 | brown | 1 | <=1% | <=1% | - | - | - | - | |
| Total % | | 100 | Overall % | | | 50-60% | <=1% | - | - | - | - |

Fiber Identification: glass fiber cellulose fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACT-021B **Lab Number** 2012-08688- 64 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-----------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 42 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | mastic | 55 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 40-50% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | glass fiber | cellulose fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-ACT-021C **Lab Number** 2012-08688- 65 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-----------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 55 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | mastic | 43 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 50-60% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | glass fiber | cellulose fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-023A **Lab Number** 2012-08688- 66 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 80 | tan | 3 | 90-100% | - | - | - | - | - |
| 3 | glue | 18 | brown | 1 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 70-80% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-ACP-023B **Lab Number** 2012-08688- 67 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 82 | tan | 3 | 90-100% | - | - | - | - | - |
| 3 | glue | 15 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 80-90% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-023C **Lab Number** 2012-08688- 68 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 72 | tan | 3 | 90-100% | - | - | - | - | - |
| 3 | glue | 25 | brown | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 70-80% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-VFT-024A **Lab Number** 2012-08688- 69 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 48 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | floor tile | 50 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-024B **Lab Number** 2012-08688- 70 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 53 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | floor tile | 45 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | mastic | 1 | yellow | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-024C **Lab Number** 2012-08688- 71 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 55 | blue | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | yellow | 1 | n.d. | - | - | - | - | - |
| 3 | floor tile | 40 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | mastic | 2 | yellow | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-ACP-025A **Lab Number** 2012-08688- 72 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): powder, binder, metal

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2.5 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 96 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | paper/cardboard | 0.5 | tan | 2 | n.d. | 90-100% | - | - | - | - |
| 4 | foil | 1 | silver | 1 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | <=1% | - | - | - | - |

Fiber Identification: glass fiber cellulose fiber

| Fibers | | | | | | | | Refractive Index Determinations | | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|---------------------------------|-----|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-ACP-025B **Lab Number** 2012-08688- 73 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): powder, binder, metal

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 96 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | paper/cardboard | 0.5 | tan | 2 | n.d. | 90-100% | - | - | - | - |
| 4 | foil | 1.5 | silver | 1 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | <=1% | - | - | - | - |

Fiber Identification: glass fiber cellulose fiber

| Fibers | | | | | | | | Refractive Index Determinations | | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|---------------------------------|-----|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACP-025C **Lab Number** 2012-08688- 74 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Acoustical Tile Fibrous Mat
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): powder, binder, metal

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|---------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2.5 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 96 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | paper/cardboard | 0.5 | tan | 2 | n.d. | 90-100% | - | - | - | - |
| 4 | foil | 1 | silver | 1 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 90-100% | <=1% | - | - | - | - |

Fiber Identification: glass fiber cellulose fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | glass fiber | CL | D | Y | | | | | | | | | |
| 2 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-LIN-026A **Lab Number** 2012-08688- 75 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring Fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): polymer, filler, powder

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | sheet flooring surface | 70 | various | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | sheet flooring backing | 28 | off-white | 3 | 30-40% | 2-5% | n.d. | - | - | - |
| 3 | mastic | 2 | tan | 1 | <=1% | n.d. | <=1% | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | >1-2% | <=1% | - | - | - |

Fiber Identification: cellulose fiber glass fiber chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | vb/g | pb/r | 1.556 | 1.549 |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of vinyl matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-LIN-026B **Lab Number** 2012-08688- 76 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, powder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | sheet flooring surface | 70 | various | 1 | n.d. | n.d. | - | - | - | - |
| 2 | sheet flooring backing | 25 | off-white | 3 | 30-40% | 2-5% | - | - | - | - |
| 3 | mastic | 5 | yellow | 1 | <=1% | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | >1-2% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of vinyl matrix using solvent.

Sample M-LIN-026C **Lab Number** 2012-08688- 77 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Flooring **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): polymer, filler, powder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | mastic | 4 | tan | 1 | 2-5% | - | - | - | - | - |
| 2 | sheet flooring surface | 75 | various | 1 | n.d. | - | - | - | - | - |
| 3 | sheet flooring backing | 20 | off-white | 3 | 30-40% | - | - | - | - | - |
| 4 | mastic | 1 | tan | 1 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of vinyl matrix using solvent.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CBM-027A **Lab Number** 2012-08688- 78 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 96 | purple | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | <=1% | - | - | - | - | - |
| 3 | mastic | 2 | yellow | 1 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-027B **Lab Number** 2012-08688- 79 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | purple | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-027C **Lab Number** 2012-08688- 80 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|--|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | purple | 1 | n.d. | n.d. | - | - | - | - |
| 2 | mastic | 2 | brown | 1 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | talc and transitional non-fibrous tremolit | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|----------------------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | talc and transitional talc fiber | W | B | N | N | H | + | P | 1.605 | sb/o | w/b | 1.607 | <1.60 |
| 2 | non-fibrous tremolite/actinolite | W | G | N | N | M | + | O | 1.605 | vg/y | sb/o | 1.619 | 1.607 |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: twease apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed. Note: sample contained transitional talc and/or non-fibrous tremolite/actinolite. Transitional talc is an intimate mixture of anthophyllite and talc. Even though it may have been asbestos once, the EPA has ruled not to regulate 'fibers of mixed mineral assemblage'. However, these fibers may be regulated when analyzed by TEM, since some are indistinguishable from anthophyllite asbestos. Likewise, non-fibrous tremolite/actinolite, while not regulated by EPA, may be counted (and thus regulated) when analyzed by TEM.

Sample M-CBM-028A **Lab Number** 2012-08688- 81 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | gray | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: twease apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-028B **Lab Number** 2012-08688- 82 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | gray | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-028C **Lab Number** 2012-08688- 83 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 97 | gray | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-030A **Lab Number** 2012-08688- 84 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | green | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 2 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-030B **Lab Number** 2012-08688- 85 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 97 | green | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-030C **Lab Number** 2012-08688- 86 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 97 | green | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 3 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |
| Fiber Identification: chrysotile asbestos | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-030D **Lab Number** 2012-08688- 87 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | green | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 2 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-031A **Lab Number** 2012-08688- 88 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | tan | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 2 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-VFT-031B **Lab Number** 2012-08688- 89 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 98 | tan | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 2 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-VFT-031C **Lab Number** 2012-08688- 90 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Flooring **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** Yes **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): filler, polymer,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | floor tile | 99 | tan | 1 | 5-10% | - | - | - | - | - |
| 2 | mastic | 1 | black | 1 | 5-10% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample M-WS-032A **Lab Number** 2012-08688- 91 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 5 **Pos Layer?** No **# Sub-Samples** 11
Non-Fibrous Components (in approx. decreasing order): powder, rock, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | plaster (top coat) | 18 | white | 2 | n.d. | - | - | - | - | - |
| 3 | plaster (scratch coat) | 50 | tan | 2 | >1-2% | - | - | - | - | - |
| 4 | paper/cardboard | 5 | tan | 2 | 90-100% | - | - | - | - | - |
| 5 | drywall core | 25 | white | 3 | >1-2% | - | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | - | - | - | - | - |

Fiber Identification: cellulose fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-WS-032B **Lab Number** 2012-08688- 92 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Wall System **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 8
Non-Fibrous Components (in approx. decreasing order): powder, rock, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | plaster (top coat) | 22 | white | 2 | n.d. | - | - | - | - | - |
| 3 | plaster (scratch coat) | 75 | tan | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of plaster matrix using acid.

Sample M-WS-032C **Lab Number** 2012-08688- 93 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Cementitious **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): powder, rock, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 10 | various | 1 | n.d. | - | - | - | - | - |
| 2 | stucco | 90 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Procedure: dissolution of stucco matrix using acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACT-033A **Lab Number** 2012-08688- 94 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 2 | white | 1 | n.d. | - | - | - | - | - |
| 2 | acoustical tile | 80 | yellow | 3 | 90-100% | - | - | - | - | - |
| 3 | glue | 18 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 70-80% | - | - | - | - | - |
| Fiber Identification: | | | | | glass fiber | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | CL | D | Y | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

Sample M-ACT-033B **Lab Number** 2012-08688- 95 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|-----------------|-----|------------------|------------|------------------------|--------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 2 | white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | acoustical tile | 60 | yellow | 3 | 90-100% | n.d. | - | - | - | - |
| 3 | glue | 18 | tan | 1 | n.d. | n.d. | - | - | - | - |
| 4 | glue | 20 | brown | 1 | n.d. | >1-2% | - | - | - | - |
| Total % | | 100 | Overall % | | 50-60% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | glass fiber | wollastonite | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | CL | D | Y | | | | | | | | | | |
| 2 | W | G | N | N | M | B | P | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ACT-033C **Lab Number** 2012-08688- 96 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Acoustical Tile **Fibrous Mat**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): binder, polymer, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|-----------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 2 | white | 1 | n.d. | n.d. | n.d. | - | - | - |
| 2 | acoustical tile | 60 | yellow | 3 | 90-100% | n.d. | n.d. | - | - | - |
| 3 | glue | 18 | tan | 1 | n.d. | n.d. | n.d. | - | - | - |
| 4 | glue | 20 | brown | 1 | n.d. | <=1% | <=1% | - | - | - |
| Total % | | 100 | Overall % | | 50-60% | <=1% | <=1% | - | - | - |

Fiber Identification: glass fiber | talc and transitional | non-fibrous tremolit

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-------|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | CL | D | Y | | | | | | | | | | |
| 2 | W | B | N | N | H | + | P | 1.605 | sb/o | w/b | 1.607 | <1.60 | |
| 3 | W | G | N | N | M | + | O | 1.605 | vg/y | sb/o | 1.619 | 1.607 | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Note: sample contained transitional talc and/or non-fibrous tremolite/actinolite. Transitional talc is an intimate mixture of anthophyllite and talc. Even though it may have been asbestos once, the EPA has ruled not to regulate 'fibers of mixed mineral assemblage'. However, these fibers may be regulated when analyzed by TEM, since some are indistinguishable from anthophyllite asbestos. Likewise, non-fibrous tremolite/actinolite, while not regulated by EPA, may be counted (and thus regulated) when analyzed by TEM.

Sample M-CFT-034A **Lab Number** 2012-08688- 97 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** Yes **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | mastic | 3 | black | 1 | 5-10% | - | - | - | - | - |
| 2 | ceramic | 50 | tan | 1 | n.d. | - | - | - | - | - |
| 3 | mortar | 47 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |

Fiber Identification: chrysotile asbestos

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-------|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent. No grout.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-034B **Lab Number** 2012-08688- 98 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** Yes **# Sub-Samples** 7
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|------|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | mastic | 0.5 | black | 1 | 5-10% | - | - | - | - | - |
| 2 | ceramic | 75 | tan | 1 | n.d. | - | - | - | - | - |
| 3 | mortar | 24.5 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|-------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | db/ly | sb/o | 1.561 | 1.553 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent. No grout.

Sample M-CFT-034C **Lab Number** 2012-08688- 99 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 65 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | mortar | 35 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: | | | | | none | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent. No grout. Note: A black mastic was present but was too thin to analyze. Mortar may have been grout on all three samples.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CWT-035A **Lab Number** 2012-08688- 100 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 80 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| 3 | ceramic | 15 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent.

Sample M-CWT-035B **Lab Number** 2012-08688- 101 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 95 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CWT-035C **Lab Number** 2012-08688- 102 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 10 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Procedure: dissolution of matrix using solvent.

Sample M-CAULK-037A **Lab Number** 2012-08688- 103 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | sealant | 95 | clear | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CAULK-037B **Lab Number** 2012-08688- 104 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Condition:** Rubbery
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): polymer, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | sealant | 65 | clear | 1 | n.d. | - | - | - | - | - |
| 3 | sealant | 30 | black | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent.

Sample M-CAULK-037C **Lab Number** 2012-08688- 105 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Condition:** Non-fibrous Solid
Homogeneous Yes **# Layers** 1 **Pos Layer?** No **# Sub-Samples** 3
Non-Fibrous Components (in approx. decreasing order): filler, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | sealant | 100 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-CFT-038A **Lab Number** 2012-08688- 106 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 95 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-038B **Lab Number** 2012-08688- 107 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 10 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-038C **Lab Number** 2012-08688- 108 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 80 | off-white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 20 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ROOF-039A **Lab Number** 2012-08688- 109 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Roofing **Fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): bitumen, rock, powder

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | roof ply/bitumen | 85 | black | 1 | 10-20% | - | - | - | - | - |
| 2 | plaster | 15 | tan | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | - | - | - | - | - |
| Fiber Identification: cellulose fiber | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid. Note: unable to determine exact layer number and sequence. Note: sample was a mixture of several roofing elements; similar pieces were analyzed as single roofing layers.

Sample M-ROOF-039B **Lab Number** 2012-08688- 110 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Roofing **Fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): bitumen, rock, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | roof ply/bitumen | 97 | black | 1 | 20-30% | - | - | - | - | - |
| 2 | plaster | 3 | tan | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | 20-30% | - | - | - | - | - |
| Fiber Identification: cellulose fiber | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid. Note: unable to determine exact layer number and sequence. Note: sample was a mixture of several roofing elements; similar pieces were analyzed as single roofing layers.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-ROOF-039C **Lab Number** 2012-08688- 111 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Roofing **Fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): bitumen, rock, filler

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | roof ply/bitumen | 90 | black | 1 | 10-20% | <=1% | - | - | - | - |
| 2 | plaster | 10 | tan | 2 | n.d. | n.d. | - | - | - | - |
| Total % | | 100 | Overall % | | 10-20% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Fiber | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid. Note: unable to determine exact layer number and sequence. Note: sample was a mixture of several roofing elements; similar pieces were analyzed as single roofing layers.

Sample M-WS-041A **Lab Number** 2012-08688- 112 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------------------|-----|------------------|------------|------------------------|-------------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 3 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 2 | white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 90 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |
| Fiber Identification: | | | | | cellulose fiber | glass fiber | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Fiber | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Texture was too thin for an accurate analysis.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-WS-041B **Lab Number** 2012-08688- 113 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 5 | white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 88 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample M-WS-041C **Lab Number** 2012-08688- 114 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Wall System **Fibrous Solid**
Homogeneous No **# Layers** 4 **Pos Layer?** No **# Sub-Samples** 9
Non-Fibrous Components (in approx. decreasing order): powder, binder,

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | paint | 2 | off-white | 1 | n.d. | n.d. | - | - | - | - |
| 2 | texture/joint compound | 8 | white | 3 | n.d. | n.d. | - | - | - | - |
| 3 | paper/cardboard | 5 | tan | 2 | 90-100% | n.d. | - | - | - | - |
| 4 | drywall core | 85 | white | 3 | <=1% | <=1% | - | - | - | - |
| Total % | | 100 | Overall % | | 5-10% | <=1% | - | - | - | - |

Fiber Identification: cellulose fiber glass fiber

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Layer Type | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | glass fiber | CL | D | Y | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CWT-042A **Lab Number** 2012-08688- 115 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 85 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 15 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Surface of tile was green. No mortar.

Sample M-CWT-042B **Lab Number** 2012-08688- 116 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 70 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 30 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Surface of tile was green. No mortar.

Sample M-CWT-042C **Lab Number** 2012-08688- 117 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By RAM 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 70 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 30 | white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. Surface of tile was white. No mortar.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-043A **Lab Number** 2012-08688- 118 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 80 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 20 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-043B **Lab Number** 2012-08688- 119 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 95 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-043C **Lab Number** 2012-08688- 120 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 10 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CFT-044A **Lab Number** 2012-08688- 122 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 85 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 15 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-044B **Lab Number** 2012-08688- 123 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 80 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 20 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

Sample M-CFT-044C **Lab Number** 2012-08688- 124 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 85 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 15 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid. No mortar.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-WG-045A **Lab Number** 2012-08688- 125 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): powder, filler, polymer

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 2 | white | 1 | n.d. | - | - | - | - | - |
| 2 | putty | 98 | gray | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | sb/o | gb/dr | 1.553 | 1.545 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-WG-045B **Lab Number** 2012-08688- 126 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): powder, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 8 | white | 2 | n.d. | - | - | - | - | - |
| 2 | putty | 92 | gray | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | sb/o | gb/dr | 1.553 | 1.545 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample M-WG-045C **Lab Number** 2012-08688- 127 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Adhesive/caulk **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 5
Non-Fibrous Components (in approx. decreasing order): powder, filler, binder

| Layers | | | | | Percents of Each Fiber | | | | | |
|------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | surface | 3 | white | 2 | n.d. | - | - | - | - | - |
| 2 | putty | 97 | gray | 2 | <=1% | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: | | | | | chrysotile asbestos | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|---------------------|------|-----|------|----|-----|-----|---|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | chrysotile asbestos | W | A | N | N | L | + | P | 1.550 | sb/o | gb/dr | 1.553 | 1.545 |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-046A **Lab Number** 2012-08688- 129 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, ,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 55 | green | 1 | n.d. | - | - | - | - | - |
| 2 | tile | 45 | tan | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid. Note: there appears to be more than one sample layer sequence in the bag (e.g., samples from more than one location); therefore, the reported layer sequence has been estimated/composited.

Sample M-CFT-046B **Lab Number** 2012-08688- 129 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|--|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 85 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 7 | gray | 2 | <=1% | - | - | - | - | - |
| 3 | mortar | 8 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | <=1% | - | - | - | - | - |
| Fiber Identification: cellulose fiber | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-----------------|------|-----|------|----|-----|-----|-----|---------------------------------|---------|--------|--------|--|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per | |
| 1 | cellulose fiber | W | F | N | N | H | + | U | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CFT-046C **Lab Number** 2012-08688- 130 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 88 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 12 | gray | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid.

Sample M-CWT-047A **Lab Number** 2012-08688- 131 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 6 **Pos Layer?** No **# Sub-Samples** 12
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 55 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 7 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 7 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | tile | 25 | green | 1 | n.d. | - | - | - | - | - |
| 5 | grout | 3 | off-white | 2 | n.d. | - | - | - | - | - |
| 6 | mastic | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid. Note: there appears to be more than one sample layer sequence in the bag (e.g., samples from more than one location); therefore, the reported layer sequence has been estimated/composited.

PLM Analysis Details

Job Number: 201208688

Quinn Coliseum

Sample M-CWT-047B **Lab Number** 2012-08688- 132 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 6 **Pos Layer?** No **# Sub-Samples** 12
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 45 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| 4 | tile | 30 | green | 1 | n.d. | - | - | - | - | - |
| 5 | grout | 10 | off-white | 2 | n.d. | - | - | - | - | - |
| 6 | mastic | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | |
|--------|------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | | | | | | | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid. Note: there appears to be more than one sample layer sequence in the bag (e.g., samples from more than one location); therefore, the reported layer sequence has been estimated/composited.

Sample M-CWT-047C **Lab Number** 2012-08688- 133 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|----------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | tile | 90 | white | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mortar | 5 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |

Fiber Identification: none

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | |
|--------|------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| | | | | | | | | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using dilute HCl acid. Minor adhering wall materials, paint and/or texture, etc. were not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-048A **Lab Number** 2012-08688- 134 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | green | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | | | |
|--------|------|-------|------|-----|------|-----|---------|---------|---------------------------------|--------|--|--|--|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | Oil | Col Par | Col Per | RI Par | RI Per | | | | | |
| 1 | none | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CBM-048B **Lab Number** 2012-08688- 135 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Condition:** Rubbery
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 97 | green | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 3 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Refractive Index Determinations | | | | | | |
|--------|------|-------|------|-----|------|-----|---------|---------|---------------------------------|--------|--|--|--|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | Oil | Col Par | Col Per | RI Par | RI Per | | | | | |
| 1 | none | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

PLM Analysis Details

Job Number: 201208688 Quinn Coliseum

Sample M-CBM-048C **Lab Number** 2012-08688- 136 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Rubbery**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): polymer, filler,

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | base cove | 98 | green | 1 | n.d. | - | - | - | - | - |
| 2 | mastic | 2 | off-white | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample M-CERCBM-049A **Lab Number** 2012-08688- 137 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous **Non-fibrous Solid**
Homogeneous No **# Layers** 2 **Pos Layer?** No **# Sub-Samples** 4
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 90 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 10 | off-white | 2 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|---------------------------------|---------|---------|--------|--------|
| # | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Sample M-CERCBM-049B **Lab Number** 2012-08688- 138 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/13/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 92 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 5 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mastic | 3 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

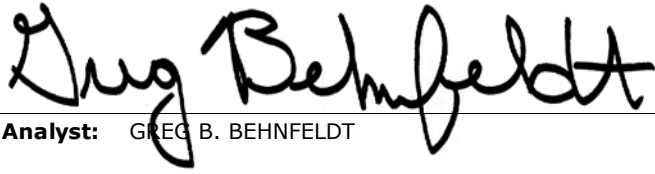
Sample M-CERCBM-049C **Lab Number** 2012-08688- 139 **Sampled:** 9/5/2012 **Condition:** acceptable
Analyzed By GBB 9/14/2012 **An?** OK **Apparent Smp Type** Miscellaneous Non-fibrous Solid
Homogeneous No **# Layers** 3 **Pos Layer?** No **# Sub-Samples** 6
Non-Fibrous Components (in approx. decreasing order): ceramic, powder, rock

| Layers | | | | | Percents of Each Fiber | | | | | |
|-----------------------------------|------------|-----|------------------|------------|------------------------|-------|-------|-------|-------|-------|
| # | Layer Type | % | Color | Friability | Fib 1 | Fib 2 | Fib 3 | Fib 4 | Fib 5 | Fib 6 |
| 1 | ceramic | 94 | tan | 1 | n.d. | - | - | - | - | - |
| 2 | grout | 3 | off-white | 2 | n.d. | - | - | - | - | - |
| 3 | mastic | 3 | gray | 1 | n.d. | - | - | - | - | - |
| Total % | | 100 | Overall % | | n.d. | - | - | - | - | - |
| Fiber Identification: none | | | | | | | | | | |

| Fibers | | | | | | | | | Refractive Index Determinations | | | | |
|--------|-------|------|-----|------|----|-----|-----|--|---------------------------------|---------|---------|--------|--------|
| | Color | Mrph | Iso | Pleo | Bi | Elg | Ext | | Oil | Col Par | Col Per | RI Par | RI Per |
| 1 | none | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |

Sample Analytical Note
 Procedure: tweased apart using forceps. Procedure: dissolution of cementitious matrices using acid.

Fr=Friability: 1=very non-friable; 2= non-friable; 3=friable; 4=highly friable
 Colors: B=black;BL=blue;BR=brown;CL=clear;G=Green;GY=gray;OR=orange;OW=off-white;PN=pink;PU=purple;R=red;TN=tan;W=white;Y=yellow;V=various
 Fiber Morphology: A=fine fibers/bundles, white, sinewy, flexible; B=fine fibers/bundles, w-br, straight, broomed ends; C=fine fibers/bundles, blue, straight, broomed ends;
 D=fine to coarse fibers, CL-B, brittle; E=coarse fibers,CL or dyed, striated; F=coarse fibers or splinters, W-BR, ribbon-like; G=lath-like or shards, low aspect ratio, may taper
 Iso=isotropism - may be yes or no; Pleo=pleochroism - may be yes or no; Bi=birefringence - may be None, Low, Medium or High
 Elg=sign of elongation - may be +, - or B (both); Ext=extinction - may be Parallel, Oblique, None or Undulating; Oil=medium used to for dispersion staining
 Col Par=dispersion staining colors parallel to the fiber (fiber/halo): b/w=black/white; dg/py=dark gray/pale yellow; vg/y=violet gray/yellow; db/ly=dark blue/lemon yellow;
 vb/g= vivid blue/gold; sb/o=sky blue/orange; pb/r=pale blue/red; gb/dr=gray blue/dark red; w/b=white/black. Col Perp=same only perpendicular to fiber.
 RI Par=refractive index parallel to fiber; RI Perp=refractive index perpendicular to fiber



Analyst: GREG B. BEHNFELDT

Printed: 14-Sep-12

Original Print Date: 14-Sep-12



Larry S. Pierce, Approved Accreditation Signatory

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.,
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

Submitted by (Company) **Strata, Inc.**

Address **8653 W Hackamore Drive**

City, State, Zip Code **Boise, ID 83704**

Phone **208-376-8200** FAX **208-376-8201**

Email **cbrischler@stratageotech.com**

Invoice to (Company) **Strata, Inc.**

Address **same**

City, State, Zip Code

Phone FAX

Contact (print) **Cristina Brischler**

Sampled by (signature)

Job Number or Project Name **Quinn Coliseum**

PO Number **ON12030A**

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|------------------------------------|-----------------------------------|--|-------------------------------------|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> | | | | |
| | by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| Wipe <input type="checkbox"/> | | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-VFT-001A | 12x12" Vinyl Floor Tile, Beige/Brown | 9-5-12 | | |
| 2) ↓ 001B | " | | | |
| 3) ↓ 001C | " | | | |
| 4) M-CBM-002A | 4" Core base + MASTIC (Brown) | | | |
| 5) ↓ 002B | " | | | |
| 6) ↓ 002C | " | | | |
| 7) M-CBM-003A | 4" Core base + MASTIC (Blue) | | | |
| 8) ↓ 003B | " | | | |
| 9) ↓ 003C | " | | | |
| 10) M-CBM-004A | 4" Core base + MASTIC (DK Beige) | | | |
| 11) ↓ 004B | " | | | |
| 12) ↓ 004C | " | | | |
| 13) M-CPT-005A | Blue Carpet + MASTIC | | | |
| 14) M-CPT-005B | " | | | |
| 15) M-CPT-005C | " | | | |
| 16) M-CPT-006A | Brown Carpet + MASTIC | | | |
| 17) ↓ 006B | " | | | |
| 18) ↓ 006C | " | | | |
| 19) M-WS-007A | Gypsum Wall System (Smooth) | | | |
| 20) ↓ -007B | " | | | |

| | | | | | |
|--|------------------------|-------------|---------------------|-------|---------------------------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 0850 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | Print Name: <i>F/x</i> | | | | Page <u>1</u> of <u>8</u> |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 JK

pg 2 of 8

FIBERQUANT ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | |
|--|--|----------------------------------|-------------------------------------|------------|
| | | Rush | Norm | Ext |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs | <6 hrs | 1-3 days |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | <input checked="" type="checkbox"/> | 15-30 days |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr | 24hr | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr | 24 hr | 3-5d |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d | 3-5d | N/A |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | |
| | Vacuum Dust (ASTM) | 3-5d | 5-10d | N/A |
| Pb by FLAA | Analyte: Pb Other | <6 hrs | 2-3 days | N/A |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | |
| | Soil <input type="checkbox"/> | | | |
| | Wipe <input type="checkbox"/> | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs | 1-2 days | N/A |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | |
| Other | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr | 24h | N/A |
| Other | | Call | Call | |

| Sample Number | Description/Location (include agar type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-WS-007C | Gypsum Wall System (Smooth) | 9-5-12 | | |
| 2) M-CONC-008A | Concrete Wall System (SANDY) | | | |
| 3) ↓ 008B | " | | | |
| 4) ↓ 008C | " | | | |
| 5) M-ACP-009A | 2' x 8' Ceiling Panels (SPAGETTI) | | | |
| 6) ↓ 009B | " | | | |
| 7) ↓ 009C | " | | | |
| 8) M-ACP-00A | 2' x 4' Acoustic Ceiling Tiles (Hollow) | | | |
| 9) ↓ 010B | " | | | |
| 10) ↓ 010C | " | | | |
| 11) ↓ 010D | 1' x 1' Acoustic Ceiling Tile (Deep fissure) | | | |
| 12) M-ACT-011A | " | | | |
| 13) ↓ 011B | " | | | |
| 14) ↓ 011C | " | | | |
| 15) M-CPT-012A | GRAT CARPET + MASTIC | | | |
| 16) ↓ 012B | " | | | |
| 17) ↓ 012C | " | | | |
| 18) M-WS-013A | Gypsum Wall System (SANDY) | | | |
| 19) ↓ 013B | " | | | |
| 20) ↓ 013C | " | | | |

| | | | | | |
|--|----------------------|--------------------|---------------------------|-------|-------|
| 1) Relinquished by: | Date: 9-10-12 | Time: 08:50 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | Print Name | Page <u>2</u> of <u>8</u> | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 JS

13 3 of 8

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|---|--|---|-----------------------------------|--|-------------------------------------|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| | Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chalfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> | | | | |
| | by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| Wipe <input type="checkbox"/> | Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-CPT-014A | Blue / GRAY CARPET + MASTIC | 9-5-12 | | |
| 2) ↓ 014B | " | ↓ | ↓ | ↓ |
| 3) ↓ 014C | " | | | |
| 4) M-CBM-015A | 4" Cove Base + MASTIC | | | |
| 5) ↓ 015B | " | | | |
| 6) ↓ 015C | " | | | |
| 7) M-PAR-016A | PARKQUET FLOORING | | | |
| 8) ↓ 016B | " | | | |
| 9) ↓ 016C | " | | | |
| 10) M-CPT-017A | 2" x 2" Blue Ceramic Tile | | | |
| 11) ↓ 017B | " | | | |
| 12) ↓ 017C | " | | | |
| 13) M-CWT-018A | 4" x 4" + 2" x 2" WHITE + BLUE CERAMIC TILES | | | |
| 14) ↓ 018B | " | | | |
| 15) ↓ 018C | " | | | |
| 16) M-WB-019A | Gypsum Wall System, WHITE ORANGE Peel L | | | |
| 17) ↓ 019B | " | | | |
| 18) ↓ 019C | " | | | |
| 19) ↓ 019D | Ceiling Surfacing | | | |
| 20) M-CS-020A | Gypsum Wall System, HEAVY KNOCK DOWN | | | |

| | | | | | |
|--|---------------|-------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 08:51 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|----------------------------------|----------|-------------------------------------|--------------------------|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs | <6 hrs | 1-3 days | 15-30 days |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr | 24hr | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr | 24 hr | 3-5d | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d | 3-5d | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d | 5-10d | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs | 2-3 days | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| | Wipe <input type="checkbox"/> | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs | 1-2 days | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr | 24h | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include agar type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-CS-020B | GRASS SURFACING (HEAVY KNOCK DOWN) | 9-5-12 | | |
| 2) ↓ 020C | " | | | |
| 3) M-ACT-021A | 1'x1' Acoustic Ceiling Tile (Even Spread Grid) | | | |
| 4) ↓ 021B | " | | | |
| 5) ↓ 021C | " | | | |
| 6) M-CPT-022A | Light Brown Carpet | | | |
| 7) ↓ 022B | No Sample | | | |
| 8) ↓ 022C | | | | |
| 9) M-ACP-023A | 1'x1' White Acoustic Ceiling Tile | | | |
| 10) ↓ 023B | " (Computer Grid) | | | |
| 11) ↓ 023C | " | | | |
| 12) M-VFT-024A | Vinyl Floor Tile, White (Blue + Mastic) | | | |
| 13) ↓ 024B | " | | | |
| 14) ↓ 024C | " | | | |
| 15) M-ACP-025A | 2'x4' Acoustic Ceiling Tile (Smooth) | | | |
| 16) ↓ 025B | " | | | |
| 17) ↓ 025C | " | | | |
| 18) M-LIN-026A | Beige/Glat Linoleum Flooring | | | |
| 19) ↓ 026B | " | | | |
| 20) ↓ 026C | " | | | |

| | | | | | |
|--|---------------|-------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 0851 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 *[Signature]*

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| |
|--|
| Contact (print) Cristina Brischler |
| Sampled by (signature) |
| Job Number or Project Name Quinn Coliseum |
| PO Number ON12030A |

pg 5 of 8

| Analysis Method Requested ONLY ONE METHOD per COC | Turn-around-time (circle one) | | |
|--|----------------------------------|------------------------|------------------------|
| | Rush | Norm | Ext |
| Asbestos by PLM Improved <input type="checkbox"/> Interim <input type="checkbox"/> Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | Urg. Rush <3 hrs | <6 hrs | 1-3 days 15-30 days |
| Fibers by PCM 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr | 24hr | - |
| Asbestos by TEM AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> Water: Water <input type="checkbox"/> Sludge <input type="checkbox"/> Annex2: Chatfield <input type="checkbox"/> Full <input type="checkbox"/> Vacuum Dust (ASTM) | <6hr 1-2d 3-5d | 24 hr 3-5d 5-10d | 3-5d N/A N/A |
| Pb by FLAA Analyte: Pb Other Matrix: Filter: MCE <input type="checkbox"/> Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> Soil <input type="checkbox"/> Wipe <input type="checkbox"/> Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | <6 hrs | 2-3 days | N/A |
| Fungi Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> Tape: Qual (%) <input type="checkbox"/> Tape: Quant (cm2) <input type="checkbox"/> Other | <6 hrs | 1-2 days | N/A |
| Dust NIOSH 500 <input type="checkbox"/> | <4hr | 24h | N/A |
| Other | Call | Call | |

| Sample Number | Description/Location (include area type/maker/etc. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-CBM-027A | BROWNISH/PINK CORE BASE + MASTIC | 9-5-12 | | |
| 2) ↓ 027B | " | | | |
| 3) ↓ 027C | " | | | |
| 4) M-CBM-028A | 4" CORE BASE + MASTIC, LIGHT GRAY | | | |
| 5) ↓ 028B | " | | | |
| 6) ↓ 028C | " | | | |
| 7) M-LIN-029A | No Sample | | | |
| 8) ↓ 029B | | | | |
| 9) ↓ 029C | | | | |
| 10) M-VFT-030A | 9" x 9" Vinyl Floor Tile, Green | | | |
| 11) ↓ 030B | " | | | |
| 12) ↓ 030C | " | | | |
| 13) M-VFT-030D | 9" x 9" Vinyl Floor Tile, Beige | | | |
| 14) M-VFT-031A | " | | | |
| 15) ↓ 031B | " | | | |
| 16) ↓ 031C | " | | | |
| 17) M-WS-032A | Gypsum Wall System, Smooth Texture | | | |
| 18) ↓ 032B | " | | | |
| 19) ↓ 032C | " | | | |
| 20) M-ACC-033A | 1' x 1' Acoustic Ceiling Tile, Smooth + Mastic | | | |

| | | | | | |
|---|---------------|-------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 08:51 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | Print Name | | | | |

Page 5 of 8

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688 *[Signature]*

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-Time (circle one) | | | |
|--|--|------------------------------------|-----------------------------------|--|-------------------------------------|
| | | Rush | Norm | Ext | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| | Wipe <input type="checkbox"/> | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Alter <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| | Other | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call <input type="checkbox"/> | Call <input type="checkbox"/> | | |

| Sample Number | Description/Location (include assr type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|------------------------|--|-------------|-------------|----------|
| 1) M-ACT-033B | 1'x1' Acoustic Ceiling Tile, Smooth + Mastic | 9-5-12 | | |
| 2) ↓ 033C | " | | | |
| 3) M-CFT-034A | 6" x 6" Beige/Brown, Ceramic Tiles | | | |
| 4) ↓ 034B | " | | | |
| 5) ↓ 034C | " | | | |
| 6) M-CWT-035A | 1" x 1" Multi-beige, Ceramic Tile | | | |
| 7) ↓ 035B | " | | | |
| 8) ↓ 035C | " | | | |
| 9) 036A CB | | | | |
| 10) 036B CB | | | | |
| 11) 036C CB | | | | |
| 12) M-CAULK-037A | CAULK, Grey | | | |
| 13) ↓ 037B | " | | | |
| 14) ↓ 037C | " | | | |
| 15) M-CFT-038A | 1" x 1" Multi-Colored Ceramic Tile | | | |
| 16) ↓ 038B | " | | | |
| 17) ↓ 038C | " | | | |
| 18) M-ROOF 039A | Maple Roofing Paper + Tan | | | |
| 19) ↓ 039B | " | | | |
| 20) ↓ 039C | " | | | |

| | | | | | |
|--|----------------------|--------------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 0852 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|----------------------------------|----------|-------------------------------------|--------------------------|
| | | Rush | Norm | Ext. | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. <3 hrs | <6 hrs | 1-3 days | 15-30 days |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr | 24hr | - | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr | 24 hr | 3-5d | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d | 3-5d | N/A | |
| | Annex2 : Chalfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d | 5-10d | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs | 2-3 days | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| | Wipe <input type="checkbox"/> | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Alter <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs | 1-2 days | N/A | |
| | DI/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr | 24h | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|----------------|--|-------------|-------------|----------|
| 1) M-ACP 040A | Acoustic Ceiling Panel, Fabric | | | |
| 2) ↓ 040B | No Sample | | | |
| 3) ↓ 040C | | | | |
| 4) M-US-041A | Gypsum Wall System, Smooth | 9-5-12 | | |
| 5) ↓ 041B | | | | |
| 6) ↓ 041C | | | | |
| 7) M-CWT-042A | LT Green, Ceramic Subway Tile | | | |
| 8) ↓ 042B | " | | | |
| 9) ↓ 042C | " | | | |
| 10) M-CFT-043A | 1" x 1" Octagonal Ceramic floor Tile | | | |
| 11) ↓ 043B | " | | | |
| 12) ↓ 043C | " | | | |
| 13) M-ACP-040D | | | | |
| 14) M-CFT-044A | 2" x 2" Brown Ceramic floor Tile | | | |
| 15) ↓ 044B | " | | | |
| 16) ↓ 044C | " | | | |
| 17) M-GIT-045A | Window Glazing | | | |
| 18) ↓ 045B | " | | | |
| 19) ↓ 045C | " | | | |
| 20) M-CFT-046A | 12" x 12" Beige + Green Ceramic Tiles | | | |

| | | | | | |
|--|----------------------|--------------------|---------------------|-------|-------|
| 1) Relinquished by: | Date: 9-10-12 | Time: 08:52 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688

FIBERQUANT

ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33rd St.;
 Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558;
 info@fiberquant.com

Analysis Request/Chain-of-Custody Form

| | |
|--|-------------------------|
| Submitted by (Company) Strata, Inc. | |
| Address 8653 W Hackamore Drive | |
| City, State, Zip Code Boise, ID 83704 | |
| Phone 208-376-8200 | FAX 208-376-8201 |
| Email cbrischler@stratageotech.com | |

| | |
|--|-----|
| Invoice to (Company) Strata, Inc. | |
| Address same | |
| City, State, Zip Code | |
| Phone | FAX |

| | |
|--|--|
| Contact (print) Cristina Brischler | |
| Sampled by (signature) | |
| Job Number or Project Name Quinn Coliseum | |
| PO Number ON12030A | |

| Analysis Method Requested ONLY ONE METHOD per COC | | Turn-around-time (circle one) | | | |
|--|--|---|-----------------------------------|--|-------------------------------------|
| | | Rush | Norm | Ext | |
| Asbestos by PLM | Improved <input type="checkbox"/> Interim <input type="checkbox"/> | Urg. Rush <3 hrs <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-3 days <input checked="" type="checkbox"/> | 15-30 days <input type="checkbox"/> |
| | Analyze <input checked="" type="checkbox"/> All <input type="checkbox"/> ATPF | | | | |
| | If so then by Layer <input type="checkbox"/> or Sample <input type="checkbox"/> | | | | |
| Single Layer Protocol: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| Fibers by PCM | 7400(Area) <input type="checkbox"/> ORM (Personal) <input type="checkbox"/> | <4 hr <input type="checkbox"/> | 24hr <input type="checkbox"/> | | |
| Asbestos by TEM | AIR: AHERA <input type="checkbox"/> Mod. AHERA <input type="checkbox"/> | <6hr <input type="checkbox"/> | 24 hr <input type="checkbox"/> | 3-5d <input type="checkbox"/> | |
| | Water*: Water <input type="checkbox"/> Sludge <input type="checkbox"/> | 1-2d <input type="checkbox"/> | 3-5d <input type="checkbox"/> | N/A | |
| | Annex2 : Chatfield <input type="checkbox"/> Full <input type="checkbox"/> | | | | |
| | Vacuum Dust (ASTM) | 3-5d <input type="checkbox"/> | 5-10d <input type="checkbox"/> | N/A | |
| Pb by FLAA | Analyte: Pb Other | <6 hrs <input type="checkbox"/> | 2-3 days <input type="checkbox"/> | N/A | |
| | Matrix: Filter: MCE <input type="checkbox"/> | | | | |
| | Paint: by Area <input type="checkbox"/> | | | | |
| | by Weight <input type="checkbox"/> | | | | |
| | Soil <input type="checkbox"/> | | | | |
| Wipe <input type="checkbox"/> | | | | | |
| Initial here certifying wipes used are ASTM E1792 compliant <input type="checkbox"/> | | | | | |
| Fungi | Air Sample: Zef <input type="checkbox"/> Aller <input type="checkbox"/> Oth <input type="checkbox"/> | <6 hrs <input type="checkbox"/> | 1-2 days <input type="checkbox"/> | N/A | |
| | ID/Count: Bulk <input type="checkbox"/> Swab <input type="checkbox"/> | | | | |
| | Tape: Qual (%) <input type="checkbox"/> | | | | |
| | Tape: Quant (cm2) <input type="checkbox"/> | | | | |
| Other | | | | | |
| Dust | NIOSH 500 <input type="checkbox"/> | <4hr <input type="checkbox"/> | 24h <input type="checkbox"/> | N/A | |
| Other | | Call | Call | | |

| Sample Number | Description/Location (include area type/maker/exp. Date) | Sample Date | Sample Time | Vol/Area |
|------------------|--|-------------|-------------|----------|
| 1) M-CFT-046B | 2" x 2" Beige Green Ceramic Tiles | 9-5-12 | | |
| 2) ↓ 046C | " | | | |
| 3) M-CWT-047A | 4" x 4" White Green Ceramic Tile | | | |
| 4) ↓ 047B | " | | | |
| 5) ↓ 047C | " | | | |
| 6) M-CBM-048A | 4" Green Cove Base & Mastic | | | |
| 7) ↓ 048B | " | | | |
| 8) ↓ 048C | " | | | |
| 9) M-CERCBM-049A | 4" x 4" / 1" x 1" Beige Ceramic Tiles | | | |
| 10) ↓ 049B | " | | | |
| 11) ↓ 049C | " | | | |
| 12) | | | | |
| 13) | | | | |
| 14) | | | | |
| 15) | | | | |
| 16) | | | | |
| 17) | | | | |
| 18) | | | | |
| 19) | | | | |
| 20) | | | | |

| | | | | | |
|--|---------------|-------------|---------------------|-------|-------|
| 1) Relinquished by: <i>[Signature]</i> | Date: 9-10-12 | Time: 08:52 | 3) Relinquished by: | Date: | Time: |
| 2) Received by: <i>[Signature]</i> | Date: 9-11-12 | Time: 10:40 | 4) Received by: | Date: | Time: |
| * TEM Water: Sampler's name Required by State of Arizona | | | Print Name | | |

Review of Analysis Request (Initials) _____

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

201208688

INDUSTRIAL HYGIENE RESOURCES

Certificate of Completion

Andrew Provant

Has attended and successfully completed the
AHERA Asbestos Building Inspector
Refresher Training Course
In accordance with Title II of TSCA
40 CFR Part 763, Appendix C to Subpart E

Course Date: 2/3/2012
Certificate Number: 4598-2
Expiration Date: 2/3/2013



Instructor: Dayle Lundy

Industrial Hygiene Resources – 8312 W. Northview St., Suite 100 – Boise, Idaho 83704
Tel: (208) 323-8287 Fax: (208) 323-0783

THE ASBESTOS INSTITUTE

Certifies that

Cristina Brischler

has attended the EPA approved course

**AHERA Refresher
Building Inspector
September 2, 2011**

and successfully passed the competency exam.

Date of Examination: **September 2, 2011**

Date of Expiration: **September 2, 2012**



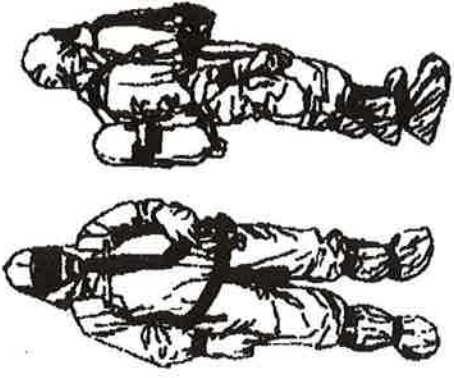
William T. Cavness
Director



Approved Instructor

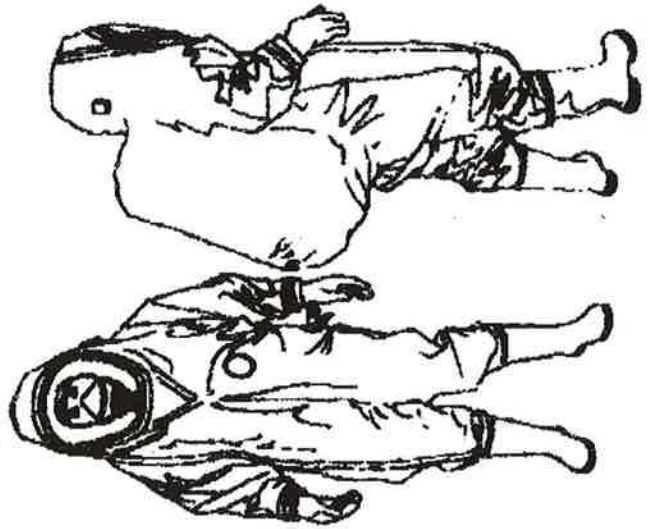
THE ASBESTOS INSTITUTE
8102 North 23rd Avenue
Suite A
Phoenix, AZ 85021-4962
602-864-6564

CERTIFICATE OF COMPLETION



This certificate is awarded and tested to:

Brischler, Cristina # 2012-R105



FOR SUCCESSFUL COMPLETION OF
SAFETY TRAINING CERTIFICATE PROGRAM

29CFR1910.120 (e)(8) 8 HOURS OF RE-CERTIFICATION TRAINING
30CFR48.8 8 HOURS OF RE-CERTIFICATION TRAINING

Haz Mat Safety & Fire
Caldwell, ID 83605

412 West Walnut Place
208-459-8954 P/F

Greg Farrell
GREG FARRELL

2/17/2012
Date



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Fiberquant Analytical Services 5025 South 33rd Street, Phoenix, AZ 85040

Laboratory ID: 101593

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- ✓ INDUSTRIAL HYGIENE Accreditation Expires: 03/01/2013
- ✓ ENVIRONMENTAL LEAD Accreditation Expires: 03/01/2013
- ✓ ENVIRONMENTAL MICROBIOLOGY Accreditation Expires: 03/01/2013
- FOOD Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Christine Powell

Christine Powell

Chairperson, Analytical Accreditation Board

Revision 10: 01/13/2011

Cheryl O. Morton

Cheryl O. Morton

Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 03/01/2011



Minnesota Department of Health
Environmental Laboratory Accreditation Program



Issues accreditation to

State Laboratory ID: 027-053-137

Pace Analytical Services, Inc - Mpls
1700 Elm Street SE, Suite 200
Minneapolis, MN 55414

for fields of testing listed on the laboratory's accompanying Scope of Certification
in accordance with the provisions in Minnesota Laws and Rules.

Continued accreditation is contingent upon successful on-going compliance with Minnesota Statutes 144.97 to 144.98, 2003 NELAC Standard and applicable Minnesota Rules 4740.2010 to 4740.2120. The laboratory's Scope of Certification cites the specific programs, methods, analytes and matrices (i.e. fields of testing) for which MDH issues this accreditation.

This certificate is valid proof of accreditation only when associated with its accompanying Scope of Certification.

The Scope of Certification and reports of on-site inspections are on file at the Minnesota Department of Health, 601 Robert Street North, Saint Paul, Minnesota. Customers may verify the laboratory's accreditation status in Minnesota by contacting MN-ELAP at (651) 201-5200.

Effective Date: 01/04/2012

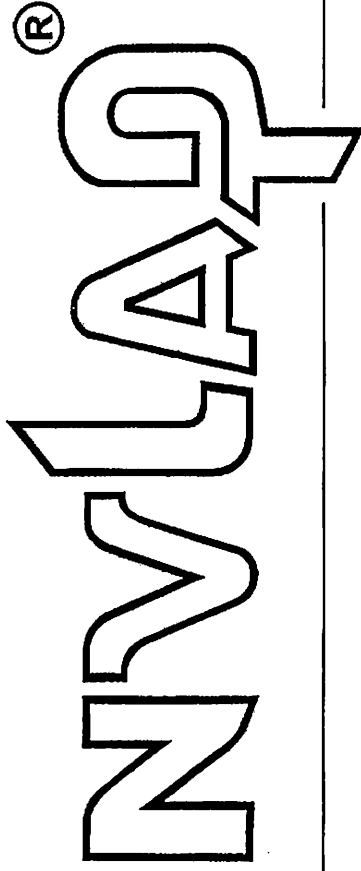
Expires: 12/31/2012

A handwritten signature in black ink that reads "Susan R. Wyatt".

Susan R. Wyatt, MN-ELAP Supervisor

Certificate Number: 377778

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101031-0

Fiberquant, Inc.
Phoenix, AZ

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William D. M. L. D.", written over a horizontal line.

For the National Institute of Standards and Technology