

**PRE-DEMOLITION REGULATED &  
HAZARDOUS MATERIALS ASSESSMENT**

**FORMER YWCA FACILITY  
ADDRESSED AT  
829 WEST BROADWAY AVENUE  
SPOKANE, WA 99201**

**Project No: 17-032.1**

*Prepared for*

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## CONTENTS

<b>INVESTIGATION REPORT SUMMARY .....</b>	<b>Section 1</b>
<b>PRE-DEMOLITION ASBESTOS SURVEY .....</b>	<b>Section 2</b>
<b>PRE-DEMOLITION LEAD COATINGS SURVEY .....</b>	<b>Section 3</b>
<b>OTHER POTENTIAL HAZARDOUS MATERIALS INV.....</b>	<b>Section 4</b>

## APPENDICES

- A: Certifications & Accreditations
- B: Asbestos Bulk Samples Analysis Reports
- C: Asbestos Bulk Sample Location Drawings
- D: Lead Bulk Coating & TCLP Sample Analysis Reports
- E: Lead Bulk Sample Location Drawings
- F: Project Photographs

## **SECTION 1 REPORT SUMMARY**

## **PRE-DEMOLITION REGULATED & HAZARDOUS MATERIALS SURVEY; FORMER YWCA FACILITY; 829 W. BROADWAY AVENUE; SPOKANE, WA**

### **REPORT SUMMARY**

Mr. Steve Wilson representing The Falls, LLC contracted Mountain Consulting Services (*Mountain Consulting*) to conduct a **Pre-Demolition Regulated & Hazardous Materials Assessment** of the entire Former YWCA Facility addressed at 829 West Broadway Avenue in Spokane, Washington.

This project was conducted to facilitate the total demolition of the former YWCA Building facility. Our survey services included: Pre-demolition “good-faith” asbestos containing materials survey; Pre-demolition “good-faith” lead coatings/materials survey; and an investigation for the presence of any other miscellaneous potential hazardous materials that may be impacted by the proposed facility demolition project.

The field investigation activities for this survey were conducted on February 28<sup>th</sup>, March 1<sup>st</sup> & March 24<sup>th</sup> of 2017 by Mr. Todd A. Lewis, EPA-AHERA Building Inspection BIR20160916-03; Mr. David A. Jones, Washington State Lead Risk Assessor 0567; and Mr. Samuel W. Bailey Jr. HAZWOPER Accredited Project Manager of Mountain Consulting.

### **SURVEY DESCRIPTION**

The former YWCA Facility is located in the downtown light industrial buildings corridor portion of Spokane, Washington. The facility resides on the southeast corner of the intersection of Broadway Avenue & Lincoln Street on the northern side of the Spokane River.

The facility is comprised of a 1965 constructed swimming pool/gymnasium building addition (*west portion of the facility*) that encompasses the main central entry, ground floor locker rooms and staff support offices, a second floor exercise/weight room/mechanical room, and basement mechanical areas. What appears to be the original structures of the site (*NE area 3 story building and SE area 2 story building*) have been incorporated and tied together into an overall facility that encompasses ground floor banquet rooms/access corridors/restrooms/food service kitchen and staff office areas. The ages of original construction and facility combining renovations are not known.

The original building areas are of masonry and wood construction built on fieldstone or concrete foundations with either plaster or sheetrock interior walls an exposed or suspended ceiling tile systems. The 1965 west addition is all concrete and steel construction with select areas of interior sheetrock and suspended ceiling tiles. The central core banquet rooms area that ties the complex together is of concrete and steel construction with plaster, sheetrock and various ceiling tile systems.

A newer roof top HVAC room was added to the central core area that is constructed off of and accessed by the SE 2<sup>nd</sup> Floor Building area.

Also a small 2-story solar tanks room building addition was added off of the central core banquet area on the north side that houses 1 large vertical water tank with a smaller water tank residing on top of the larger tank that is tied to the west addition swimming pool by sub-grade tunnel piping systems.

The facility is bounded by Broadway Avenue and an adjacent commercial building to the north; an access bridge and gazebo to River Front Park to the east; The Spokane River, a vehicle parking lot and adjacent restaurant to the south; Lincoln Street and adjacent commercial buildings to the west.

## **ASBESTOS SURVEY SUMMARY**

Mountain Consulting performed destructive bulk materials testing of suspect building materials to determine the presence or absence of asbestos minerals.

Mountain Consulting collected 309 bulk material samples from 143 different homogeneous suspect building materials identified during survey activities. Laboratory analysts sub-divided 22 samples (*some with multiple breakouts*) and did not analyzed 23 samples, resulting in a total of 355 samples analyzed for this project.

## **PROVEN REGULATED ACM MATERIALS**

The following homogeneous materials tested from the **former YWCA facility** were found to contain greater than one percent (>1%) asbestos by laboratory analysis and are considered to be (***Regulated ACM***) requiring abatement prior to building demolition, detailed by building area:

### **1965 Pool-Gym Addition (*West Half of Facility*)**

- ◆ **TSI Holding Tank Jacket Insulation** present on the exterior of the well water holding tank located in the southeast area of the swimming pools basement crawlspace of the 1965 gym/pool building addition of the facility was proven to contain asbestos. This class I, friable, Thermal Systems Insulation (*TSI*) material contains 2-3% chrysotile asbestos. There is approximately 600 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-67, 68 & 69.***
- ◆ **TSI Boiler Exhausts Ducting Jacket Insulation** present on the exterior of the boilers (*2 each*) exhaust ducting system located in the northwest corner basement area of the 1965 gym/pool building addition of the facility was proven to contain asbestos. This class I, friable, TSI material contains 2-3% chrysotile (*with the inner grey layer*) and 70-75% chrysotile asbestos (*with the outer grey-beige layer*). There is approximately 25 linear feet (*lf*) of 20" diameter exhaust ducting present. ***Represented by Samples 17-032.1-70, 71 & 72.***
- ◆ **TSI Expansion Tank Jacket Insulation** present on the exterior of the Converter #2 expansion tank located on the west sidewall of the basement boiler room of the 1965 gym/pool building addition of the facility was proven to contain asbestos. This class I, friable, TSI material contains 2-4% chrysotile asbestos. There is approximately 8 ft<sup>2</sup> material present. ***Represented by Samples 17-032.1-73, 74 & 75.***

- ◆ **TSI Hot Water Holding Tank Jacket Insulation** present on the exterior of the basement hot water tank located in the southern area of the basement boiler room of the 1965 gym/pool building addition of the facility was proven to contain asbestos. This class I, friable, TSI material contains 2-4% chrysotile asbestos. There is approximately 175 ft<sup>2</sup> of this material present. *Represented by Samples 17-032.1-76, 77 & 78.*
- ◆ **TSI Mudded Joint Fittings & Hangers Piping Insulation** present with fiberglass insulated steam, water & roof drain piping systems located throughout the interior of the 1965 gym/pool building addition of the facility were proven to contain asbestos. These class I, friable, TSI materials contain 2-5% chrysotile asbestos. There is approximately 1,000 individual fittings present, mostly exposed throughout the basement & 2<sup>nd</sup> floor mechanical areas, hidden within wet walls of the 1<sup>st</sup> floor central core locker rooms area, and exposed with interior roof level scupper drain systems. *Represented by Samples 17-032.1-87 through 93.*
- ◆ **9"x 9" Vinyl Floor Tile (VFT) Beige in Color & Black Flooring Mastic** present with the 1<sup>st</sup> floor entry hallway system, pool entrance area office (*under carpeting*) and associated storage closet exposed under the eastern side 2<sup>nd</sup> floor access stairwell of the 1965 gym/pool building addition of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFT contains 2-3% chrysotile; and the class II, non-friable, miscellaneous black mastic contains 5-7% chrysotile asbestos. There is approximately 710 square feet (ft<sup>2</sup>) of these materials present. *Represented by Samples 17-032.1-05 & 06.*
- ◆ **Residual Backing Paper (of Past Removed) Vinyl Sheet Flooring (VSF)** present under *asbestos-free* 12"x 12" White VFT & Gold Mastic in the central 1<sup>st</sup> floor break/game room and also present under *asbestos-free* Green VSF in the adjacent staff break/kitchenette room of the 1965 gym/pool building addition of the facility was proven to contain asbestos. The class II, friable, miscellaneous material contains 40-45% chrysotile asbestos. There is approximately 410 ft<sup>2</sup> of this material present. *Represented by Sub-samples 17-032.1-07, 07a, 08, 08a, 09, 09a, 10 & 10a. The associated gold adhesive mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.*
- ◆ **White Colored VSF** present under carpeting with the central 1<sup>st</sup> floor gymnasium area office room of the 1965 gym/pool building addition of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 100 ft<sup>2</sup> of this material present. *Represented by Samples 17-032.1-48 & 49.*
- ◆ **Built-up Tar & Felts Roofing System** present under *asbestos-free* white membrane roofing & brown insulation located on the exterior roof deck of the 1965 gym/pool building addition of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous materials system contains 45-50% chrysotile asbestos (*with tar & felt layer*). The associated underlying bottom most black tar & brown paper layers on metal decking were proven *asbestos-free*. There is approximately 16,500 ft<sup>2</sup> of this materials system present. *Represented by Samples 17-032.1-265, 265a, 265b, 265c, 266, 266a, 266b & 266c.*

- ◆ **Weathered Silver Tar Coating** present on the exterior of the small *dog-house-type* roof deck mechanical piping systems enclosure located on the exterior roof deck of the 1965 gym/pool building addition of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 7-10% chrysotile asbestos. There is approximately 20 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-269 & 270.***

### **Central Core Building Area (*Banquet Areas & SE 2-Story Building*)**

- ◆ **TSI Mudded Joint Fittings & Hangers Piping Insulation** present with fiberglass insulated steam & water supply piping systems tested from the basement of the 1965 addition are also present running through a sub-grade steam tunnel system that passes through the Central Core building area, feeding the solar tanks room, restroom/kitchen wet walls and exiting into the NE 3-story building area of the facility also contain asbestos. These class I, friable, TSI materials contain 2-5% chrysotile asbestos. There is approximately 400 fittings present with the central core area of the facility.
- ◆ **Browns Coat Ceiling Texture** present on the older suspended plaster ceiling system located above the exposed *asbestos-free (lay-in-type)* suspended ceiling system throughout the majority of the 2<sup>nd</sup> floor offices area of the Central Core building area of the facility was proven to contain asbestos. This class I, friable, surfacing material contains 5-7% chrysotile and less than one percent (<1%) actinolite asbestos. There is approximately 2,100 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-203, 204 & 205.***
- ◆ **Beige Colored VSF** present exposed with the southeast corner large banquet room, adjacent kitchen, and adjacent storage/restroom areas of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 2,450 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-96, 97, 131 & 132. The associated gold adhesive mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***
- ◆ **9'x 9' VFT Beige or Beige w/Grey Streaks in Colors & Black Flooring Mastic** present mostly exposed (*with limited areas under carpeting*) throughout the majority of the 1<sup>st</sup> floor entry rooms, inner hallways, 3 offices, NE smaller banquet room, and storage closets; and the 2<sup>nd</sup> floor SW corner office room & north side roof access room of the Central Core building area of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFTs contain 2-3% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 1-5% chrysotile asbestos. There is approximately 3,000 ft<sup>2</sup> of these materials present. ***Represented by Samples 17-032.1-100, 101, 122 & 123.***
- ◆ **2'x 2' White Wormhole Pattern Suspended Ceiling Tile (*Spline lock Type*)** present with both 1<sup>st</sup> floor small & large banquet rooms and the northwest entry/lobby room of the Central Core building area of the facility was proven to contain asbestos. The class II, friable, miscellaneous material contains 2-4% amosite asbestos. There is approximately 3,200 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-102 & 103.***

- ◆ **Light Blue & Green Colored VSF** present under carpeting with the 1<sup>st</sup> floor southern central fireplace/lounge room of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 580 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-106 & 107. The associated tan adhesive mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***
- ◆ **Residual Black Flooring Mastic & VFT Remnants (of Past Removed Green VFT)** present with the exposed & painted *asbestos-free* black tarpaper & brown mastic on wood sub-flooring located throughout the majority of the 2<sup>nd</sup> floor offices area of the Central Core building area of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFT remnants contain 2-3% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 2-3% chrysotile asbestos. There is approximately 2,100 ft<sup>2</sup> of these materials present. ***Represented by Sub-samples 17-032.1-145, 146 & 146a.***
- ◆ **Light Grey & Tan VSF** present under carpeting installed on plywood subflooring that is installed over ACM black mastic on tarpaper located in the SW Corner Office Room of the 2<sup>nd</sup> floor offices area of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 140 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-302 & 303. The associated gold mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***
- ◆ **Built-up Tar & Felts Roofing System** present under *asbestos-free* white membrane roofing & brown perlite-type insulation located on the upper 2nd floor roof deck area of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous materials system contains 45-50% chrysotile asbestos (*with tar & felt layer*). The associated underlying bottom most black tar & brown paper layers on wood decking were proven *asbestos-free*. There is approximately 2,500 ft<sup>2</sup> of this materials system present. ***Represented by Samples 17-032.1-279, 279a, 279b, 279c, 280 & 280a.***
- ◆ **Built-up Tar & Felts Roofing System** present under gravel, *asbestos-free* black membrane roofing, brown insulation & foam insulation located on the lower western side exterior roof deck of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous materials system contains 45-50% chrysotile asbestos (*with tar & felt layer*). The underlying bottom most tar & brown paper layers on metal decking were proven *asbestos-free*. There is approximately 2,100 ft<sup>2</sup> of this materials system present. ***Represented by Samples 17-032.1-287, 287a, 287b, 287c, 287d, 287e, 288, 288a, 288b, 288c & 288d.***

### **Northeast 3-Story Building Area**

- ◆ **TSI Mudded Joint Fittings & Hangers Piping Insulation** present with fiberglass insulated steam & water supply piping systems located throughout the interior of the Northeast 3-Story building area of the facility were also proven to contain asbestos. These class I, friable, TSI materials contain 2-4% chrysotile asbestos. There is approximately 750 fittings present with the central core area of the facility. ***Represented by Samples 17-032.1-237 & 238.***



- ◆ **9"x 9" VFT Beige in Color & Black Flooring Mastic** present exposed with the 1<sup>st</sup> floor southwest entry hallway, elevator cab and present under *asbestos-free carpet & VSF* with the west half's NE open training room of the Northeast 3-Story building area of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFT contains 2-4% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 3-5% chrysotile asbestos. There is approximately 1,350 ft<sup>2</sup> of these materials present. ***Represented by Samples 17-032.1-177 & 178.***
  
- ◆ **Beige Colored VSF** present exposed and partially covered by carpeting with the 1<sup>st</sup> floor western half north NW corner 2 open training rooms of the Northeast 3-Story building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 1,500 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-179 & 180. The associated pale yellow adhesive mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***
  
- ◆ **12"x 12" VFT Beige & White in Color & Black Flooring Mastic** present under carpeting with the 1<sup>st</sup> floor southwest corner office room adjacent to the north side of the elevator of the Northeast 3-Story building area of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFT contains 1-2% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 3-5% chrysotile asbestos. There is approximately 65 ft<sup>2</sup> of these materials present. ***Represented by Samples 17-032.1-183 & 184.***
  
- ◆ **Grey Woven Flex Connector** present with the abandoned through wall air duct system present on the west wall of the 1<sup>st</sup> floor west end open training room of the Northeast 3-Story building area of the facility was proven to contain asbestos. This class II, friable, miscellaneous material contains 25-40% chrysotile asbestos. There is approximately 2 ft<sup>2</sup> of this material present 1 abandoned flex joint. ***Represented by Samples 17-032.1-206 & 207.***
  
- ◆ **2'x 4' Textured White Wormhole Pattern Suspended Ceiling Tiles (*Lay-In-Type*)** present exposed throughout the majority of the 2<sup>nd</sup> floor (*excluding the NE & SE office suites*) of the Northeast 3-Story building area of the facility was proven to contain asbestos. The class II, friable, miscellaneous mastic contains 3-5% chrysotile and 1-2% amosite asbestos. There is approximately 4,050 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-230 & 231.***
  
- ◆ **Silver Coated Built-up Tar & Felts Roofing System** present under *asbestos-free* white membrane roofing & brown insulation located on the exterior roof deck and parapet walls of the Northeast 3-Story building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous materials system contains 4-6% chrysotile (*with silver-tar layers*) and 40-45% chrysotile asbestos (*with felt layer*). The associated underlying bottom most brown & black paper layers on wood decking were proven *asbestos-free*. There is approximately 7,000 ft<sup>2</sup> of this materials system present. ***Represented by Samples 17-032.1-239, 239a, 239b, 239c, 240, 240a, 240b, 240c, 240d, 243, 243a, 243b & 244.***

- ◆ **Gold Pebble Pattern VSF** present exposed with the 3<sup>rd</sup> floor western half SE corner roof access mechanical room of the Northeast 3-Story building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 30-35% chrysotile asbestos. There is approximately 40 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-308 & 309.*** *The associated gold mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.*

## **MATERIALS WITH ASBESTOS CONCENTRATIONS OF LESS THAN 1%**

The following sampled homogeneous materials or material systems tested from the former YWCA facility were proven to contain less than one percent (<1%) asbestos by laboratory analysis (***WISHA Regulated ACMs***), detailed by building area:

### **1965 Pool-Gym Addition (*West Half of Facility*)**

- ◆ Asbestos wallboard joint & taping compound mud, containing 1-2% chrysotile asbestos associated with the sheetrock paneling system located throughout the 1<sup>st</sup> & 2<sup>nd</sup> floors central core interior area of the 1965 pool/gym building addition of the facility was composited with the ACM-Free sheetrock, resulting in the sheetrock paneling system as containing <1% chrysotile asbestos. ***Represented by Samples 17-032.1-41, 41-A, 41-B, 42, 42-A & 42B.*** This materials system is not regulated for disposal, however certain worker health & safety due diligence requirements apply for left in-place demolition operations.

### **Central Core Building Area (*Banquet Areas & SE 2-Story Building*)**

- ◆ *Joint Compound Taping Mud* associated with the *asbestos-free* sheetrock paneling system located throughout the interior of the Northeast 3-Story building area of the facility was proven to contain <1% chrysotile asbestos. ***Represented by Samples 17-032.1-98, 98a, 99, 99a, 137a & 138a.*** This material is not regulated for disposal, however certain worker health & safety due diligence requirements apply for left in-place demolition operations.
- ◆ *White-Grey Window Glazing Putty* present with the older aluminum framed window units located on the south and west exterior of the 2 story building area of the Central Core building area of the facility was proven to contain <1% chrysotile asbestos. ***Represented by Samples 17-032.1-298 & 299.*** This material is not regulated for disposal, however certain worker health & safety due diligence requirements apply for left in-place demolition operations.

### **Northeast 3-Story Building Area**

- ◆ *Joint Compound Taping Mud* associated with the *asbestos-free* sheetrock paneling system located throughout the interior of the 1<sup>st</sup> floor of the Northeast 3-Story building area of the facility was proven to contain <1% chrysotile asbestos. ***Represented by Samples 17-032.1-199, 199a, 200 & 200a.*** This material is not regulated for disposal, however certain worker health & safety due diligence requirements apply for left in-place demolition operations.

## MATERIALS PROVEN TO BE ASBESTOS-FREE

Microscopic examination of samples collected from the following suspect building materials tested from both the Former YWCA Facility, did not detect the presence of asbestos minerals (*ACM-Free*) detailed by building area:

### 1965 Pool-Gym Addition (*West Half of Facility*)

- ◆ Tan 1" Ceramic Tile, White Grout & Grey Mortar (*of men's L/R*) (*Samples 01 & 02*)
- ◆ Blue 1" Ceramic Tile, White Grout & Grey Mortar (*of women's L/R*) (*Samples 03 & 04*)
- ◆ 4" Grey Vinyl Cove Base (VCB) & White Mastic (*of staff break Rm*) (*Samples 11 & 12*)
- ◆ Grey Mortar (*of Int/CMU walls*) (*Samples 12, 13 & 221*)
- ◆ Green 4" Ceramic Tile, Grey Grout & Mortar (*of women's L/R*) (*Samples 13 & 14*)
- ◆ Green 1" Ceramic Tile, Grey Grout & Mortar (*of staff L/R*) (*Samples 15 & 16*)
- ◆ White Caulking (*of RR/LR fixtures*) (*Samples 17 & 18*)
- ◆ Yellow 1" Ceramic Tile, Grey Grout & Mortar (*of men's L/R*) (*Samples 19 & 20*)
- ◆ 4" Beige VCB & White Mastic (*of men's LR*) (*Samples 21 & 22*)
- ◆ 4" Wood Floor Tile & Brown Mastic (*of 2<sup>nd</sup> floor training Rm*) (*Samples 23 & 24*)
- ◆ 4" Black VCB & White Mastic (*of break/game room*) (*Samples 25 & 26*)
- ◆ Grey/White Plaster Skim Wall Coating (*throughout interior*) (*Samples 27 through 33*)
- ◆ Grey Mortar (*of CMU block walls*) (*Samples 34 & 35*)
- ◆ 4" Black Thick VCB & White Mastic (*of gymnasium room*) (*Samples 36 & 37*)
- ◆ Blue/White Wall Texture Surfacing (*of gymnasium room*) (*Samples 38, 39 & 40*)
- ◆ Grey Plaster Wall System (*of select interior areas*) (*Samples 43, 44, 45, 58, 59 & 60*)
- ◆ Yellow 4" Ceramic Tile, White Grout & Grey Mortar (*of men's L/R*) (*Samples 46 & 47*)
- ◆ Foil Backing Paper (*of FG bat insulation of 2<sup>nd</sup> floor mech. Rm.*) (*Samples 50 & 51*)
- ◆ Black Rubber Damper Joints (*of HVAC flex joints*) (*Samples 52 & 53*)
- ◆ Black Cloth Damper Joints (*of HVAC flex joints*) (*Samples 54, 55, 81 & 82*)
- ◆ White Formica & Red Adhesive (*of L/R area countertops*) (*Samples 56 & 57*)
- ◆ Green 1" Ceramic Tile, Grey Grout & Mortar (*of pool area*) (*Samples 61 & 62*)
- ◆ 14" Black Pumas Wall Tiles & Brown Mastic (*of pool area*) (*Samples 63, 64, 65 & 66*)
- ◆ Tar Impregnated Brown/Silver Backing Paper (*of FG piping insulation*) (*Samples 79 & 80*)
- ◆ Brown Insulation & Tar Adhesive (*of pool crawlspace concrete walls*) (*Samples 83 & 84*)
- ◆ Grey Concrete (*of building area foundation*) (*Samples 85 & 86*)
- ◆ Blue Wall Paneling & Tan Adhesive (*of gym upper walls*) (*Samples 173 & 174*)
- ◆ 2'x 2' White Wormhole Ceiling Tile & Brown Mastic Dots (*of gym*) (*Samples 175 & 176*)
- ◆ Grey Caulking Sealant (*of Ext. tilt-up wall joints*) (*Samples 257 & 258*)
- ◆ Grey Concrete (*of Ext. tilt-up walls*) (*Samples 259 & 260*)
- ◆ Grey Concrete (*of facility Ext. sidewalks*) (*Samples 261 & 262*)
- ◆ White Caulking (*of Ext. membrane roofing system*) (*Samples 267 & 268*)

### Central Core Building Area (*Banquet Areas & SE 2-Story Building*)

- ◆ 4" Black VCB & Brown Mastic (*throughout area*) (*Samples 94 & 95*)
- ◆ 2'x 4' White Wormhole Suspended Ceiling Tile (*of fireplace room*) (*Samples 104 & 105*)
- ◆ Grey Plaster Wall System (*of select areas*) (*Samples 108, 109 & 110*)

- ◆ Grey/White Plaster Skim Wall Coating (*of select areas*) (**Samples 111 through 113a**)
- ◆ Tan 2" Ceramic Tile, White Grout & Yellow Adhesive (*of fireplace*) (**Samples 114 & 115**)
- ◆ Grey Mortar (*of moss rock wall stone*) (**Samples 116 & 117**)
- ◆ 4" Blue VCB & White Mastic (*throughout area*) (**Samples 118 & 119**)
- ◆ Gold Carpet Mastic (*limited area throughout*) (**Samples 120 & 121**)
- ◆ Grey Mortar of Red Brick Walls (*throughout area*) (**Samples 124 & 125**)
- ◆ Grey Mortar of Newer Red Brick Raised Hearth (*of west entry area*) (**Samples 126 & 127**)
- ◆ Painted Fabric Type Wall Covering (*of select office area*) (**Samples 128, 129 & 130**)
- ◆ 12"x 12" White Wormhole Pattern Ceiling Tile (*of kitchen area*) (**Samples 133 & 134**)
- ◆ Brown Mastic Dots (*of kitchen area 12" ceiling tile*) (**Samples 135 & 136**)
- ◆ Grey 1" Ceramic Tile, Grey Grout & Tan Adhesive (*of RR floors*) (**Samples 137 & 138**)
- ◆ Grey 4" Ceramic Tile, Grey Grout & Adhesive (*of RRs wall-base*) (**Samples 139 & 140**)
- ◆ White Ceramic Tile, Brown Grout & Gold Adhesive (*office countertop*) (**Samples 141 & 142**)
- ◆ 2'x 4' White Wormhole Suspended Ceiling Tile (*majority throughout*) (**Samples 143 & 144**)
- ◆ Grey Plaster Skim Coating (*over cork throughout 2<sup>nd</sup> floor*) (**Samples 147, 148 & 149**)
- ◆ 2'x 2' White Wormhole Suspended Ceiling Tile (*throughout 2<sup>nd</sup> floor*) (**Samples 150 & 151**)
- ◆ Grey VSF & Gold Mastic (*of SW corner kitchenette area*) (**Samples 152 & 153**)
- ◆ Beige VSF & Gold Mastic (*of SW corner RRs area*) (**Samples 154 & 155**)
- ◆ 4" Grey VCB & White Mastic (*of SW corner area*) (**Samples 156 & 157**)
- ◆ White 4" Ceramic Tile, Grout & Peach Adhesive (*of SW corner RRs*) (**Samples 158 & 159**)
- ◆ Green/White Plaster Skim Coating (*of small banquet rm*) (**Samples 160, 161 & 162**)
- ◆ Grey Blown-in Attic Insulation (*of 2<sup>nd</sup> floor area*) (**Samples 163, 164 & 165**)
- ◆ Grey Plaster Ceiling System (*of older 2<sup>nd</sup> fl. suspended ceiling*) (**Samples 166 through 168a**)
- ◆ Brown Mastic Dots (*2<sup>nd</sup> fl. on plaster & ACM browns-coat ceilings*) (**Samples 169 & 170**)
- ◆ Corkboard Wall Paneling (*of inner walls throughout 2<sup>nd</sup> floor*) (**Samples 171 & 172**)
- ◆ Green 1" Ceramic Tile, Grey Grout & Tan Mastic (*of Ext. sidewalls*) (**Samples 255 & 256**)
- ◆ White Membrane Roofing, o/Green Foam, o/Black Tar & Felt Built-up Roofing, o/Yellow Form on Metal Decking (*of E. Ext. lower roof deck*) (**Samples 271, 271a, 271b, 271c, 272, 272a, 272b & 272c**)
- ◆ Grey Caulking (*of E. Ext. lower roof deck roofing & window frames*) (**Samples 273 & 274**)
- ◆ White Foil Backing Paper (*of solar room FG insulations*) (**Samples 275 & 276**)
- ◆ Grey/Brown Cloth Damper Joints (*of roof top HVAC room flex joints*) (**Samples 277 & 278**)
- ◆ White/Grey Membrane Roofing, o/Sheetrock, o/Black Tarpaper on Metal Decking (*of roof top HVAC room roof deck*) (**Samples 281, 281a, 281b, 282, 282a & 282c**)
- ◆ White Caulking (*of 2<sup>nd</sup> fl. & HVAC Ext. membrane roofing's*) (**Samples 283 & 284**)
- ◆ Silver Coating & Underlying Tar (*on parapet walls of 2<sup>nd</sup> fl. roof deck*) (**Samples 285 & 286**)
- ◆ Grey/White Stucco Siding (*of Ext. sidewalls*) (**Samples 293, 294 & 295**)
- ◆ White Membrane Roofing, o/Foam Insulation, o/Brown Insulation, o/Black Tar & Tarpaper on Metal Decking (*of solar room roof deck*) (**Samples 296, 296a, 296b, 296c, 297, 297a, 297b, 297c & 282d**)
- ◆ 12"x 12" Cream w/Grey Streaks VFT & Gold Mastic (*of 2<sup>nd</sup> fl. NW RR*) (**Samples 300 & 301**)

### **Northeast 3-Story Building Area**

- ◆ Gold Carpet Mastic (*throughout 1<sup>st</sup> floor*) (**Samples 181 & 182**)

- ◆ White/Blue VSF & Gold Mastic (*of 1<sup>st</sup> floor RR*) (**Samples 185 & 186**)
- ◆ Beige VSF & Gold Mastic (*of 1<sup>st</sup> floor NE yellow painted rm*) (**Samples 187 & 188**)
- ◆ Grey Pebble VSF, Gold Mastic & Grey Leveling (*of 1<sup>st</sup> fl. NE yellow rm*) (**Samples 189 & 190**)
- ◆ 4" Black VCB & Gold-Brown Mastics (*throughout 1<sup>st</sup> fl.*) (**Samples 191 & 192**)
- ◆ Tan Adhesive of Wall Paneling (*of 1<sup>st</sup> floor RR*) (**Samples 193 & 194**)
- ◆ Grey Mortar of Red Brick Walls (*throughout area*) (**Samples 195, 196, 253 & 254**)
- ◆ 2'x 4' White Wormhole Suspended Ceiling Tile (*throughout 1<sup>st</sup> fl.*) (**Samples 197 & 198**)
- ◆ Gold FG Insulation Adhesive (*of above ceiling air ducting*) (**Samples 201 & 202**)
- ◆ Sheetrock Paneling (*of 2<sup>nd</sup> floor*) (**Samples 208 & 209**)
- ◆ Joint & Taping Compound Mud (*of 2<sup>nd</sup> floor SR*) (**Sub-samples 208a & 209a**)
- ◆ Grey Concrete (*of bldg. foundation & Int. floors*) (**Samples 210 & 211**)
- ◆ 12"x 12" Blue VFT & Gold Mastic (*of 2<sup>nd</sup> fl. SE Suite, select rooms*) (**Samples 212 & 213**)
- ◆ Grey 2" Ceramic Tile/Grout & Yellow Mastic (*of 2<sup>nd</sup> fl. SE Suite RR*) (**Samples 214 & 215**)
- ◆ Grey Concrete (*of 2<sup>nd</sup> fl. SE Suite RR*) (**Sub-sample 214a**)
- ◆ Tan 4" Ceramic Tile/Grout & White Mastic (*of 2<sup>nd</sup> fl. SE Suite RR*) (**Samples 216 & 217**)
- ◆ Clear Brown Carpet Mastic (*of 2<sup>nd</sup> fl. SE Suite reception area*) (**Samples 218 & 219**)
- ◆ 2'x 4' White Wormhole Suspended Ceiling Tile (*of 2<sup>nd</sup> fl. SE Suite*) (**Samples 220 & 221**)
- ◆ 4" Grey VCB & White Mastic (*of 2<sup>nd</sup> fl. SE Suite*) (**Samples 222 & 223**)
- ◆ 4" Wood Floor Tile & Gold Mastic (*of 2<sup>nd</sup> fl. NE Suite*) (**Samples 224 & 225**)
- ◆ Red-Grey Floor Coating (*under carpet squares of 2<sup>nd</sup> fl. NW Suite*) (**Samples 228 & 229**)
- ◆ 12"x 12" Black VFT & Gold Mastic (*of 2<sup>nd</sup> fl. SW elevator entry*) (**Samples 232 & 233**)
- ◆ Orange Peel Type Wall Texture (*of 2<sup>nd</sup> fl. NW Suite walls*) (**Samples 234, 235 & 236**)
- ◆ Grey Caulking (*of Ext. membrane roofing system*) (**Samples 241 & 242**)
- ◆ Black Foam Flooring & Tan Mastic (*of 3<sup>rd</sup> fl. SW corner rm.*) (**Samples 245 & 246**)
- ◆ Gold Carpet Mastic (*throughout 3<sup>rd</sup> floor*) (**Samples 226, 226a, 227, 247, 248, 304 & 305**)
- ◆ White 4 Ceramic Tile/Grout & Gold Mastic (*of 3<sup>rd</sup> fl. RRs*) (**Samples 249 & 250**)
- ◆ Tan 1" Ceramic Tile, Grey Grout & Green Mastic (*of 3<sup>rd</sup> fl. RRs*) (**Samples 251 & 252**)
- ◆ White 4" Ceramic Tile/Grout & Yellow Mastic (*of S. Ext. wall area*) (**Samples 263 & 264**)
- ◆ Grey/White Stucco Siding (*of Ext. sidewalls*) (**Samples 289, 290, 291 & 292**)

Materials that contain greater than one percent (>1%) asbestos are considered Regulated Asbestos Containing Materials (RACM) that must be properly removed by a certified asbestos abatement contractor, prior to being impacting by building demolition.

Materials proven to contain less than one percent (<1%) asbestos maybe impacted by 2 hour asbestos awareness trained personnel, under the supervision of a certified asbestos abatement supervisor (*doesn't have to be an abatement contractor*) and if included for demolition maybe left in place during demolition and disposed of as standard construction debris.

Building Materials proven to be Free of Asbestos (ACM-Free) maybe impacted without any specialized personnel training and disposed of as construction debris.

The building owner or tenant is responsible, under OSHA/WISHA regulations, to notify all maintenance and custodial workers of the presence and location of Regulated ACM. Asbestos containing materials must be handled & disposed of in accordance with OSHA, NESHAP, and local Spokane Regional Clean Air Agency (SRCAA) regulations.

**LEAD COATINGS SURVEY SUMMARY**

Mountain Consulting performed destructive bulk paint testing of suspect coatings (*Paint Films or Glazed Ceramic Tile Materials*) that will be impacted by the demolition of the Former YWCA Facility, for the presence of lead content.

Mountain Consulting collected **Fifty-Two (52) Bulk Coating** (*48 paint and 6 glazed ceramic tile material*) Samples for this project. The results of the bulk paint samples collected for this project are listed as follows by component type & building era of construction:

**1965 Pool-Gym Addition (West Half of Facility) 17-032.1-LBP-**

1. Gold Varnish on Gyms Wood Flooring	<100 ppm
2. Tan Glazed 1"x 1" Ceramic Floor Tiling	<40 ppm
3. Green Glazed 1"x 1" Ceramic Floor Tiling	<40 ppm
4. Red Glazed 4"x 8" Ceramic Floor Tiling	<40 ppm
5. Yellow Glazed 4"x 4' Ceramic Wall Tiling	2,600 ppm
6. Green Glazed 4"x 4' Ceramic Wall Tiling	570 ppm
7. Blue Paint on Concrete Walls	<100 ppm
8. Light Blue Paint on Concrete Walls	<100 ppm
9. Blue Paint on CMU Block Walls	110 ppm
10. Light Blue Paint on CMU Block Walls	130 ppm
11. Dark Grey Paint on Cement Floors	100 ppm
12. Gold Varnish on Wood Par key Floor Tiles	<100 ppm
13. White Paint on Sheetrock Walls-Ceilings	<100 ppm
14. White Paint on CMU Block Walls	<100 ppm
15. Green Glazed 4"x 6" Ceramic Wall Tiling	690 ppm
16. Various Colored Wall Mural on Sheetrock	<100 ppm
17. Blue Paint on Wood Doors & Door Trims	960 ppm
18. White Paint on 12" Pumas Type Wall Tiles	<100 ppm
19. White Paint on 2'x 4' Fiber Ceiling Tiles	<100 ppm

**Central Core Building Area (Banquet Rms & SE 2-Story Bldg.) 17-032.1-LBP-**

20. White-Grey Glazed 1"x 1" Ceramic Floor Tiling	<40 ppm
21. Grey Glazed 4"x 6" Ceramic Wall Tiling	730 ppm
22. White Glazed 4"x 4" Ceramic Wall Tiling	<100 ppm
23. Grey Paint on Sheetrock & Plaster Walls	<100 ppm
24. Light Grey Paint on Sheetrock & Plaster Walls	<100 ppm
25. White Paint on Canvas Type Wall Covering	<100 ppm
26. White Paint on Sheetrock Walls	2,000 ppm
27. Grey Paint on Sheetrock Walls	460 ppm
28. Yellow Paint on Brick Walls	160 ppm
29. Green Paint on Plaster Walls	<100 ppm
30. Blue Paint on Sheetrock & Plaster Walls	1,300 ppm
31. Green Paint on Plaster Walls	750 ppm

32. <i>Tan Glazed 2"x 2" Ceramic Fireplace Tiling</i>	<40 ppm
33. <i>White Paint on 2'x 2' Fiber Ceiling Tiles</i>	<100 ppm
34. Blue Paint on Wood Doors & Door Trims	1,200 ppm
35. <i>Gold Varnish on Wood Components</i>	<100 ppm
36. Grey Paint on Wood Doors & Door Trims	210 ppm
37. <i>White Paint on Plaster Walls &amp; Ceilings</i>	<100 ppm
43. Silver Paint on Cork & Brick Walls	2,600 ppm

**Northeast 3-Story Building Area (1<sup>st</sup> Floor Area) 17-032.1-Pb-**

38. Grey Paint on Concrete Floors	860 ppm
39. <i>Grey Paint on Sheetrock Walls</i>	<100 ppm
40. <i>Dark Grey Paint on Brick Walls</i>	<100 ppm
41. <i>White Paint on Brick Walls</i>	<100 ppm
42. <i>Grey-White Paint on CMU Block Walls</i>	<100 ppm
44. Brown Paint on Sheetrock Walls	2,600 ppm
45. Yellow Paint on CMU Block Walls	220 ppm
46. White Paint on Brick Walls	370 ppm
47. Yellow Paint on Sheetrock Walls	3,900 ppm
48. Blue Paint on Wood Doors & Door Trims	160 ppm
49. <i>White Paint on 2'x 4' Fiber Ceiling Tiles</i>	<100 ppm

**Northeast 3-Story Building Area (2<sup>nd</sup> Floor Area) 17-032.1-Pb-**

50. <i>Red Paint on Concrete Floors</i>	<100 ppm
51. <i>Orange Paint on Sheetrock Walls</i>	<100 ppm
52. Blue Paint on Brick Walls	810 ppm
53. Purple Paint on Sheetrock Walls	260 ppm
54. <i>Yellow Paint on Sheetrock Walls</i>	<100 ppm
55. Gold Varnish on Wood Components	260 ppm
56. <i>Brown Paint on Sheetrock Walls</i>	<100 ppm
57. Red Paint on Wood Doors & Door Trims	<280 ppm
58. <i>Gold Varnish on Wood Floor Tiling</i>	<100 ppm
59. <i>Tan Paint on Brick &amp; Sheetrock Walls</i>	<100 ppm
60. <i>White Glazed 4"x 4" Ceramic Wall Tiling</i>	<40 ppm
61. <i>Tan Glazed 2"x 2" Ceramic Floor Tiling</i>	<40 ppm

**Northeast 3-Story Building Area (2<sup>nd</sup> Floor Area) 17-032.1-Pb-**

62. <i>Tan Glazed 1"x 1" Ceramic Floor Tiling</i>	<40 ppm
63. Tan Glazed 6"x 6" Ceramic Wall Tiling	100 ppm
64. <i>Green Paint on Wood Walls</i>	<100 ppm
65. Red Paint on Brick Walls	210 ppm
66. Tan & Grey Paints on Wood Ceilings	300 ppm

**Facility Exterior 17-032.1-Pb-**

67. Yellow Stripping Paint of Ext. Parking Lots	29,000 ppm
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68. Grey Paint on Steel Doors, Windows & Frames	1,800 ppm
69. White Paint on Steel Doors, Windows & Frames	75,000 ppm
70. Green Glazed 1"x 1" Ext. Ceramic Wall Tiling	480 ppm
<b>71. White Paint on Ext. Stucco Siding</b>	<b>&lt;100 ppm</b>
<b>72. Blue/White Glazed 4"x 4" Ceramic Wall Tiling</b>	<b>&lt;40 ppm</b>

Note: ppm = parts per million

***The bolded-italicized coatings present with the facility are considered to NOT BE Regulated for Lead Content. All other listed paint coatings are considered to be regulated lead based paints (Regulated LBPs). The coated building components may pose potential lead exposure hazards. Contractors working on this facility should be informed of the potential lead hazards and lead coating contents.***

The bulk coating samples collected for this project were submitted following proper chain of custody procedures to EMSL Analytical, Inc. located in Cinnaminson, New Jersey for analysis by methods SW846, 3050B/7000B\*. EMSL is an ACGIH accredited analytical laboratory.

Any building material or coating that contains greater than 100 parts per million lead from bulk analysis associated with this project is regulated by Federal & Washington State Regulations.

Explanations of regulations are detailed as follows:

The Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 and the Washington State Labor & Industries (L&I) WAC 296-155-176 lead in construction standards do not define a definition for lead based coatings, but do establish safe airborne exposure limits for employees working with lead containing materials, by permissible exposure limit (PEL). So in summation; if any material or coating contains lead at 100 ppm or greater then abatement, renovation or demolition contractors must demonstrate worker health and safety due diligence.

This includes lead in construction awareness training for all affected employees, establishment of proper employee personnel protective equipment (PPE), proper demarcation of effected work area(s), and performance of exposure assessment (EA) lead air monitoring, prior to downgrading any established PPE.

The Washington State Dangerous Waste Regulation (WAC 173-303) requires that lead containing building material waste streams that contain lead at 100 ppm or greater must be treated as lead hazardous waste, until toxic characterization leaching procedure (TCLP) bulk waste stream sampling proves otherwise. The TCLP lead leaching characterization threshold is 5 ppm.

Since the facility is scheduled for total demolition and non-recyclable building components (*nonmetal based materials*) that contain Regulated LBP coatings were identified throughout the facility, Mountain Consulting collected **Three (3)** representative TCLP composite bulk waste stream samples for the this project.



The results of the TCLP samples collected for this project is listed as follows:

<b>Former YWCA Facility – Lead TCLP Waste Stream Sample Results</b>		
<b>Sample #</b>	<b>Sample Make-Up</b>	<b>Results ppm</b>
17-032.1-TCLP1	1965 West Pool-Gym Building Addition - Lead Containing Demolition Waste Stream: (Painted Wood; Glazed Ceramic Tiling; Painted CMU & Mortar; Painted Sheetrock; Painted Concrete; Painted Plaster; Vinyl Flooring; Vinyl Cove Base; Unpainted Concrete; Painted Fiber Ceiling Tile; Carpeting; Fiberglass Insulations; Membrane Roofing & Insulation; and, Glass)	<b>No Detect (N/D)</b> for Leachable Lead Content
17-032.1-TCLP2	Central Core Banquet Rooms & SE 2-Story Building Area - Lead Containing Demolitions Waste Stream: (Painted Plaster; Painted Sheetrock; Unpainted Wood Framing; Painted Fiber Ceiling Tile; Painted & Unpainted Red Brick & Mortar; Cork & Tar Wall Insulation; Carpet; Vinyl Flooring & Cove Base; Varnished Wood; Fiberglass Insulations; Membrane Roofing & Insulation; and Glass)	<b>No Detect (N/D)</b> for Leachable Lead Content
17-032.1-TCLP3	Northeast 3-Story Building Area - Lead Containing Demolitions Waste Stream: (Painted CMU; Painted & Unpainted Brick & Mortar; Painted Ceiling Tile; Painted Sheetrock; Fiberglass Insulation; Carpet; Vinyl Floors & Cove Base; Unpainted Wood Framing; Varnished Wood; Concrete; Membrane Roofing & Insulation; and Glass)	<b>No Detect (N/D)</b> for Leachable Lead Content

The composite bulk TCLP waste stream samples collected for this project were submitted following proper chain of custody procedures to Anatek Labs, Inc. located in Spokane, Washington for analysis by method SW846-6020A (TCLP). Anatek is an accredited analytical laboratory by the Washington State Department of Ecology (WDOE).

The results of analysis for all 3 Lead-TCLP composite building materials waste stream samples for this project have confirmed that demolition waste streams for this project can be disposed of in a landfill that accepts standard construction.

### **OTHER HAZARDOUS MATERIALS SUMMARY**

Mountain Consulting performed an investigation throughout the interior and exterior of the Former YWCA Facility included for total demolition to determine the presence of any other potentially hazardous materials or hazardous conditions present with the facility.

The investigation targeted the following potential hazardous building components:

- Electrical Lighting (*elements/ballasts*)
- Polychlorinated Biphenyls (PCB's) (*transformers/ballasts*)
- Ozone Depleting Substances
- Mercury Containing Components
- Fuel Storage Tanks (*Above and Underground Tanks*)
- Radioactive Materials
- Other Biological Hazards (*Mold, Fungi, Bacteria*)

## LIGHTING OBSERVATIONS

The visual inspection / inventory of electrical lighting components present with the facility are detailed in the following table by area reference name:

<i>Building or Area</i>	<i>Florescent Tubes by Length</i>	<i>Lighting Ballasts</i>	<i>Compact Florescent Bulbs</i>	<i>Low Sodium &amp; Metal Halide Bulbs</i>	<i>Back-up Lighting Lead Acid Batteries</i>
1965 W. Pool/Gym Addition (Bsm't, 1 <sup>st</sup> & 2 <sup>nd</sup> Floors)	363 / 4' 4 / 8'	218	4	24	12
Central Core & SE 2 Story Building Area	48 / 2' 297 / 4'	177	-	-	4
NE 3 Story Building Area	718 / 4' 2 / 8'	360	29	-	13
Entire Facility Exterior	-	-	-	7	-
<b>TOTALS</b>	48 ea. / 2' 1,378 ea. / 4' 6 ea. / 8'	755 ea.	33 ea.	31 ea.	29 ea.

## LIGHTING FINDINGS AND RECOMMENDATIONS

- Fluorescent Light Tubes** were identified throughout the facility within sheet-metal light fixtures. All visually inspected fluorescent light elements were a combination of either environmentally friendly tubes (*indicated by either green end caps or green printed manufacture labeling on the tube*) or were assumed to be mercury vapor containing (*indicated by the large diameter size of the tube and no green labeling*). The US Environmental Protection Agency (EPA) has determined that older style fluorescent lighting elements must be assumed to contain mercury vapor. The EPA has also determined that newer environmentally friendly fluorescent elements still contain low amounts of mercury vapor and in large quantities may not be disposed of as standard construction debris. There are combined 6 each (8'tubes); 1,378 each (4'tubes); and 48 each (2'tubes) present throughout the facility. The light elements must be collected for reuse, proper recycling or for proper disposal as hazardous waste, prior to building demolition.
- High Intensity Light Bulbs** (*Low Sodium & Metal Halide Types*) were identified with limited interior and exterior building lighting associated with the facility. The EPA has determined that High Intensity Lamps and Low Mercury Lamps that are not recycled must be treated as hazardous waste. There are 31 individual bulbs present with the facility. The light elements must be collected for reuse, proper recycling or for proper disposal as hazardous waste, prior to building demolition.
- Compact Fluorescent light bulbs** were identified with limited select interior areas of the facility within sheet metal light fixtures. The EPA has determined that Compact Fluorescent Light Elements that are not recycled must be treated as hazardous waste. There are 33 individual CFL Bulbs present. The light elements must be collected for reuse, proper recycling or for proper disposal as hazardous waste, prior to building demolition.

- **Assumed PCBs (*Polychlorinated Biphenyls*) Containing Start-up Lighting Ballasts & “No-PCBs” Labeled Start-up Lighting Ballasts** were both identified to be present with the fluorescent lighting fixtures throughout the facility. The visually inspected fluorescent lighting ballasts were either identified with no labeling (*that must be assumed to contain PCB oils*) or were identified with labeling that stated “No-PCBs”. It should be noted that PCB-Free electrical lighting start-up ballasts still contain dielectric cooling oils and in large quantities may not be disposed of as standard construction debris. There are combined 755 individual lighting ballasts present with the facility. The lighting ballasts must be collected for reuse or sorted by type (*PCB Containing or PCB-Free*) for proper recycling or disposal as hazardous waste prior to building demolition.
- **Lead Acid Batteries** were identified within wall mounted emergency lighting units throughout the facility as well as some replacement batteries were identified present in the NE 3-Story building area maintenance room. There are 29 emergency lighting units present and 6 stored lead acid batteries present with the facility. The batteries must be collected for reuse, proper recycling or disposed of as hazardous waste, prior to building demolition.

#### **OTHER POTENTIALLY HAZARDOUS MATERIALS OBSERVATIONS**

- **Ozone Depleting Substances (*refrigerant compounds*)** are assumed to be present with the 10 individual window mounted air-conditioning units located throughout the 3<sup>rd</sup> floor of the NE 3-story building portion, as well as the 4 individual (two-part) air conditions units located with the central core banquet rooms area of the facility. If these units are to be impacted by demolition operations, their contained refrigerant compounds must be reclaimed by a certified HVAC contractor, prior to disposal or recycling of the units.
- **Mercury Liquid Containing Glass Vial “Rocker-Type” Switches** were identified inside the controller boxes present with the Two (2) Boilers associated with basement mechanical room of the facility. There are approximately 2 glass vial tilt switches present with the boilers included for survey (*1 rocker switches for each boiler*). The boiler switch boxes can either be reused or the mercury switches must be collected for proper recycling or properly disposed of as hazardous waste, prior to impacting by renovation.
- **Hydraulic Waste Oil** was identified present with the hydraulic elevator mechanical system present with NE 3-Story Building area of the facility. The elevators hydraulic actuator & storage tank oil must be reclaimed for proper recycling or for disposal as hazardous waste prior to impacting by building demolition.
- **Waste Oil Heating Furnace & 2 each 265 Gallon Waste Oil Tanks System** was identified present with the 1<sup>st</sup> floor gymnasium and adjacent store room area of the facility. Mountain Consulting is under the impression that this heating system is owned and operated by the current rental tenant (*Spokane Kendo & Iaido Club*). If this heating system will remain with the facility and be included with the demolitions project, the waste oil must be reclaimed for proper recycling or for disposal as hazardous waste prior to impacting by building demolition.

- **Stored Bags of Aluminum Sulfate, Hydrate Chemicals (*Dry Sulfuric Acid*)** were identified in the eastern portion of the basement mechanical room area of the West Side Pool/Gym building addition of the facility. The chemical bags are in a poor state of condition broken open or moisture impacted and contaminating the localized surrounding limited floor-storage shelf area. The stored sulfuric acid (*dry powder form*) must be properly contained, the affected contaminated building area cleaned-up and neutralized prior to recycling or disposal as hazardous waste prior to impacting by demolition.
- No Above Ground or Underground Fuel Storage Tanks (*ASTs/USTs*) were identified to be present with the mechanical room(s) or associated exterior areas of the facility.
- No Radioactive Materials were visibly identified to be present with smoke detectors systems associated with the facility.
- No Hazardous Biological Contamination or indications of fungal, bacteria or biological contamination was observed with this facility.

### **LIMITING CONDITIONS**

A complete discussion of survey parameters and applied methods are enclosed in the following sections of this report. Only general conclusions should be made from the information provided within this summary.

During this regulated/hazardous materials assessment, Mountain Consulting endeavored to observe, inventory, and sample (*if appropriate*) potentially regulated and or hazardous materials associated with the structure included for demolition. During demolition activities for the included structure, if any unidentified suspect materials are encountered that were not observed during this assessment may warrant additional sampling, analysis or assumption.

### **CLOSURE**

The results, conclusions, and recommendations presented in this report were prepared following our inspection of suspected materials at the subject property. Methods used by Mountain Consulting for this study are consistent with the standard of care and professionalism normally exercised by consultants in the environmental science and engineering fields.

The Client acknowledges that Mountain Consulting has been retained for the sole purpose of assisting the Client in identifying Regulated and Hazardous Materials, if any, associated with the subject facility.

It is agreed that Mountain Consulting has assumed responsibility only for performing this assessment and presenting this report and conclusions to the Client. The Client acknowledges that Mountain Consulting is not acting as an “agent” for the Client, or any other user or entity, for work associated with any regulated and/or hazardous materials.

Mountain Consulting does not act or have authority to act for or in place of the Client or its successors or assigns. Mountain Consulting does not represent the Client nor does it authorize or allow any construction, renovation, remodeling, maintenance, repair, or demolition work by performing this assessment.

**SECTION 2**  
**PRE-DEMOLITION ASBESTOS**  
**BUILDING MATERIALS SURVEY**

## ASBESTOS SURVEY – TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION.....</b>	<b>1</b>
<b>2.0</b>	<b>SCOPE OF WORK .....</b>	<b>1</b>
<b>3.0</b>	<b>ASSESSMENT SURVEY PARAMETERS.....</b>	<b>2</b>
<b>3.1</b>	<b>HOMOGENEOUS AREAS .....</b>	<b>2</b>
<b>3.2</b>	<b>BULK SAMPLING .....</b>	<b>2</b>
<b>3.3</b>	<b>LABORATORY AND ANALYTICAL METHODS.....</b>	<b>2</b>
<b>4.0</b>	<b>RESULTS .....</b>	<b>3</b>
<b>4.1</b>	<b>REGULATED ASBESTOS CONTAINING MATERIALS.....</b>	<b>3</b>
<b>4.2</b>	<b>MATERIALS ASSUMED TO CONTAIN ASBESTOS.....</b>	<b>8</b>
<b>4.3</b>	<b>MATERIALS WITH ASBESTOS CONCENTRATIONS OF LESS THAN 1%.....</b>	<b>8</b>
<b>4.4</b>	<b>NON-ACM MATERIALS IDENTIFIED .....</b>	<b>9</b>
<b>4.5</b>	<b>MATERIALS ASSUMED NOT TO CONTAIN ASBESTOS .....</b>	<b>9</b>
<b>5.0</b>	<b>CONCLUSIONS AND RECOMMENDATIONS.....</b>	<b>12</b>
<b>5.1</b>	<b>CONCLUSIONS.....</b>	<b>12</b>
<b>5.2</b>	<b>RECOMMENDATIONS .....</b>	<b>13</b>

## APPENDICES

- A: Certifications & Accreditations
- B: Asbestos Bulk Sample Analysis Reports
- C: Asbestos Bulk Sample Location Drawings
- D: Lead Bulk Coatings & TCLP Sample Analysis Reports
- E: Lead Bulk Sample Location Drawings
- F: Project Photographs

# **PRE-DEMOLITION REGULATED & HAZARDOUS MATERIALS SURVEY; FORMER YWCA FACILITY; 829 W. BROADWAY AVENUE; SPOKANE, WA**

## **PRE-DEMOLITION ASBESTOS SURVEY REPORT**

### **1.0 INTRODUCTION**

Mr. Steve Wilson representing The Falls, LLC contracted Mountain Consulting Services (*Mountain Consulting*) to conduct a **Pre-Demolition Asbestos Containing Building Materials Survey** of the entire Former YWCA Facility addressed at 829 West Broadway Avenue in Spokane, Washington.

This project was conducted to facilitate the total demolition of the former YWCA Building facility. No prior survey documentation was provided or utilized during this survey project.

Mr. Todd A. Lewis, EPA-Accredited AHERA Building Inspector; Certification BIR20160916-03; Expiration September 16, 2017, conducted the field survey investigations for this project on February 28<sup>th</sup>, March 1<sup>st</sup> & March 24<sup>th</sup> of 2017. (*See Appendix A for inspector certifications and laboratory accreditations.*)

### **2.0 SCOPE OF WORK**

The scope of work was designed to meet the requirements for asbestos inspection and due diligence notification as defined within the Occupational Safety & Health Administration (*OSHA*) Asbestos Standard (*29 CFR 1926.1101*); Washington Industrial Safety & Health Act (*WISHA*) standard (*WAC 296-62-077*); National Emission Standards for Hazardous Air Pollutants (*NESHAP 40 CFR 61*); applicable portions of the Asbestos Hazardous Emergency Response Act (*AHERA 40 CFR 763*); and, the Spokane Regional Clean Air Agency (*SRCAA*) Regulation I, Article IX.

The survey was conducted through visual evaluation, classification and analysis of suspected asbestos containing materials (ACMs) used in the construction or remodeling of the surveyed Former YWCA Building Facility. The survey included the following tasks:

- ◆ Visual survey and assessment of the location and condition of suspected materials.
- ◆ Collection and analysis of bulk samples from suspected asbestos containing materials.
- ◆ Preparation of a report summarizing the identification and assessment of any asbestos containing materials and material found not to contain asbestos.



### 3.0 ASSESSMENT SURVEY PARAMETERS

#### 3.1 HOMOGENEOUS AREAS

Homogeneous materials are those considered to be consistent throughout an area based on color, texture, and construction era. For the purpose of this survey, homogeneous areas were delineated using the construction era, material composition, and material location as the primary considerations. Material appearance, texture, size, color, and analytical results may support assumptions about each material's homogeneity.

#### 3.2 BULK SAMPLING

Suspected ACMs were collected according to guidelines in 40 CFR 763.85 and were sampled to determine the type and percentage of asbestos by volume. At least Two (2) samples were collected from each selected miscellaneous material; at least Three (3) samples were collected from each selected thermal system insulation (TSI) material; and, suspect surfacing materials were sampled according to the AHERA "3/5/7 rule" based upon material type quantities present.

For other types of suspect materials, or materials assumed to be non-ACM, regulations require the on-site AHERA building inspector to determine the appropriate number of samples. The quantity of material present, manufacturer's labels, appearance, construction or renovation era, and inspector's expertise were used to determine the number of samples. A homogeneous material is considered to be an ACM if one or more sample results are equal to or greater than 1% asbestos.

The EPA recommends that at least three samples be analyzed by polarized-light microscopy (PLM) for the following types of materials in order to prevent false negative results (*less than 1% asbestos*):

- ◆ Materials that contain low concentrations of asbestos fibers (less than 10%);
- ◆ Materials with asbestos fibers tightly bound in a matrix;
- ◆ Materials with milled asbestos fibers (fine fibers);
- ◆ Materials with hand-mixed asbestos fibers; and
- ◆ Materials with a combination of these characteristics.

All bulk samples must have results below 1% asbestos before the material may be classified in accordance with AHERA rules as not being an ACM. However, if asbestos is detected in the material at concentrations of less than 1%, WISHA worker health & safety regulations still apply.

#### 3.3 LABORATORY AND ANALYTICAL METHODS

Mountain Consulting performed destructive bulk materials testing of suspect building materials to determine the presence or absence of asbestos minerals. Mountain Consulting collected 309 bulk material samples from 143 different homogeneous suspect building materials identified during survey activities. Laboratory analysts sub-divided 22 samples (*some with multiple breakouts*) and did not analyzed 23 samples, resulting in a total of 355 samples analyzed for this project.

All generated bulk samples were submitted for analysis to Mountain Laboratories of Spokane, Washington using chain of custody procedures. Mountain Laboratories participates in the national voluntary laboratory accreditation program (NAVLAP) and is a NAVLAP accredited asbestos testing laboratory, NAVLAP code: 101890-0. All samples were analyzed to determine asbestos type and content using PLM with dispersion staining in accordance with the following methods:

- |      |  |
|------|--|
| EPA  | EPA 600/R-93/116, "Method for the Determination of Asbestos in Bulk Building Materials" ( <i>July 1993</i> ).  |
| EPA  | "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" ( <i>40 CFR Part 763, Subpart F, Appendix A; May 27, 1982</i> ).         |
| ASTM | Draft "Standard Method of Testing for Asbestos Containing Materials by Polarized Light Microscopy" ( <i>ASTM Committee D22.05; January 14, 1988</i> ). |

## 4.0 RESULTS

This section describes suspect materials that were found to be asbestos containing (**Regulated ACM**) or proven to be free of asbestos minerals (**ACM-Free**). (*Refer to the bulk sample analysis reports in Appendix B for specific sample compositions; and, Appendix C for sample location drawings data*).

### 4.1 REGULATED ASBESTOS CONTAINING MATERIALS

ACMs are materials proven to contain at least 1% asbestos or greater. AHERA and NESHAP regulations distinguish between friable and nonfriable forms of ACM. A friable material is defined as one that can be "crumbled, pulverized, or reduced to powder by hand pressure when dry." Friability is an indication of a material's ability to release asbestos fibers into the air. Regulated ACMs are defined by NESHAP as all friable ACM and nonfriable ACM that may be disturbed by renovation or demolition.

### PROVEN REGULATED ACM MATERIALS

The following homogeneous building materials present with the **Former YWCA Facility** were found to contain greater than one percent (>1%) asbestos by laboratory analysis and are considered to be (**Regulated ACM**) requiring abatement prior to building demolition, detailed by building area:

#### 1965 Pool-Gym Addition (*West Half of Facility*)

- ◆ **TSI Holding Tank Jacket Insulation** present on the exterior of the well water holding tank located in the southeast area of the swimming pools basement crawlspace of the 1965 gym/pool building addition of the facility was proven to contain asbestos. This class I, friable, Thermal Systems Insulation (TSI) material contains 2-3% chrysotile asbestos. There is approximately 600 ft<sup>2</sup> of this material present. **Represented by Samples 17-032.1-67, 68 & 69.**

- ◆ **TSI Boiler Exhausts Ducting Jacket Insulation** present on the exterior of the boilers (2 *each*) exhaust ducting system located in the northwest corner basement area of the 1965 gym/pool building addition of the facility was proven to contain asbestos. This class I, friable, TSI material contains 2-3% chrysotile (*with the inner grey layer*) and 70-75% chrysotile asbestos (*with the outer grey-beige layer*). There is approximately 25 linear feet (*lf*) of 20" diameter exhaust ducting present. ***Represented by Samples 17-032.1-70, 71 & 72.***
- ◆ **TSI Expansion Tank Jacket Insulation** present on the exterior of the Converter #2 expansion tank located on the west sidewall of the basement boiler room of the 1965 gym/pool building addition of the facility was proven to contain asbestos. This class I, friable, TSI material contains 2-4% chrysotile asbestos. There is approximately 8 ft<sup>2</sup> material present. ***Represented by Samples 17-032.1-73, 74 & 75.***
- ◆ **TSI Hot Water Holding Tank Jacket Insulation** present on the exterior of the basement hot water tank located in the southern area of the basement boiler room of the 1965 gym/pool building addition of the facility was proven to contain asbestos. This class I, friable, TSI material contains 2-4% chrysotile asbestos. There is approximately 175 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-76, 77 & 78.***
- ◆ **TSI Mudded Joint Fittings & Hangers Piping Insulation** present with fiberglass insulated steam, water & roof drain piping systems located throughout the interior of the 1965 gym/pool building addition of the facility were proven to contain asbestos. These class I, friable, TSI materials contain 2-5% chrysotile asbestos. There is combined approximately 1,000 individual fittings present, mostly exposed throughout the basement & 2<sup>nd</sup> floor mechanical areas, hidden within wet walls of the 1<sup>st</sup> floor central core locker rooms area, and exposed with interior roof level scupper drain systems present. ***Represented by Samples 17-032.1-87 through 93.***
- ◆ **9"x 9" Vinyl Floor Tile (VFT) Beige in Color & Black Flooring Mastic** present exposed with the 1<sup>st</sup> floor entry hallway system, pool entrance area office (*under carpeting*) and associated storage closet exposed under the eastern side 2<sup>nd</sup> floor access stairwell of the 1965 gym/pool building addition of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFT contains 2-3% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 5-7% chrysotile asbestos. There is approximately 710 square feet (*ft<sup>2</sup>*) of these materials present. ***Represented by Samples 17-032.1-05 & 06.***
- ◆ **Residual Backing Paper (of Past Removed) Vinyl Sheet Flooring (VSF)** present under *asbestos-free* 12"x 12" White VFT & Gold Mastic in the central 1<sup>st</sup> floor break/game room and also present under *asbestos-free* Green VSF in the adjacent staff break/kitchenette room of the 1965 gym/pool building addition of the facility was proven to contain asbestos. The class II, friable, miscellaneous material contains 40-45% chrysotile asbestos. There is approximately 410 ft<sup>2</sup> of this material present. ***Represented by Sub-samples 17-032.1-07, 07a, 08, 08a, 09, 09a, 10 & 10a. The associated gold adhesive mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***

- ◆ **White Colored VSF** present under carpeting with the central 1<sup>st</sup> floor gymnasium area office room of the 1965 gym/pool building addition of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 100 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-48 & 49.***
- ◆ **Built-up Tar & Felts Roofing System** present under *asbestos-free* white membrane roofing & brown insulation located on the exterior roof deck of the 1965 gym/pool building addition of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous materials system contains 45-50% chrysotile asbestos (*with tar & felt layer*). The associated underlying bottom most black tar & brown paper layers on metal decking were proven *asbestos-free*. There is approximately 16,500 ft<sup>2</sup> of this materials system present. ***Represented by Samples 17-032.1-265, 265a, 265b, 265c, 266, 266a, 266b & 266c.***
- ◆ **Weathered Silver Tar Coating** present on the exterior of the small *dog-house-type* roof deck mechanical piping systems enclosure located on the exterior roof deck of the 1965 gym/pool building addition of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 7-10% chrysotile asbestos. There is approximately 20 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-269 & 270.***

#### **Central Core Building Area (*Banquet Areas & SE 2-Story Building*)**

- ◆ **TSI Mudded Joint Fittings & Hangers Piping Insulation** present with fiberglass insulated steam & water supply piping systems tested from the basement of the 1965 addition are also present running through a sub-grade steam tunnel system that passes through the Central Core building area, feeding the solar tanks room, restroom/kitchen wet walls and exiting into the NE 3-story building area of the facility also contain asbestos. These class I, friable, TSI materials contain 2-5% chrysotile asbestos. There is combined an addition of approximately 400 fittings present with the central core area of the facility.
- ◆ **Browns Coat Ceiling Texture** present on the older suspended plaster ceiling system located above the exposed *asbestos-free (lay-in-type)* suspended ceiling system throughout the majority of the 2<sup>nd</sup> floor offices area of the Central Core building area of the facility was proven to contain asbestos. This class I, friable, surfacing material contains 5-7% chrysotile and less than one percent (<1%) actinolite asbestos. There is approximately 2,100 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-203, 204 & 205.***
- ◆ **Beige Colored VSF** present exposed with the southeast corner large banquet room, adjacent kitchen, and adjacent storage/restroom areas of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 2,450 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-96, 97, 131 & 132. The associated gold adhesive mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***

- ◆ **9"x 9" VFT Beige or Beige w/Grey Streaks in Colors & Black Flooring Mastic** present mostly exposed (*with limited areas under carpeting*) throughout the majority of the 1<sup>st</sup> floor entry rooms, inner hallways, 3 offices, NE smaller banquet room, and storage closets; and the 2<sup>nd</sup> floor SW corner office room & north side roof access room of the Central Core building area of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFTs contain 2-3% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 1-5% chrysotile asbestos. There is approximately 3,000 ft<sup>2</sup> of these materials present. ***Represented by Samples 17-032.1-100, 101, 122 & 123.***
- ◆ **2'x 2' White Wormhole Pattern Suspended Ceiling Tile (*Spline lock Type*)** present with both 1<sup>st</sup> floor small & large banquet rooms and the northwest entry/lobby room of the Central Core building area of the facility was proven to contain asbestos. The class II, friable, miscellaneous material contains 2-4% amosite asbestos. There is approximately 3,200 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-102 & 103.***
- ◆ **Light Blue & Green Colored VSF** present under carpeting with the 1<sup>st</sup> floor southern central fireplace/lounge room of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 580 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-106 & 107. The associated tan adhesive mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***
- ◆ **Residual Black Flooring Mastic & VFT Remnants (*of Past Removed Green VFT*)** present with the exposed & painted *asbestos-free* black tarpaper & brown mastic on wood sub-flooring located throughout the majority of the 2<sup>nd</sup> floor offices area of the Central Core building area of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFT remnants contain 2-3% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 2-3% chrysotile asbestos. There is approximately 2,100 ft<sup>2</sup> of these materials present. ***Represented by Sub-samples 17-032.1-145, 146 & 146a.***
- ◆ **Light Grey & Tan VSF** present under carpeting installed on plywood subflooring that is installed over ACM black mastic on tarpaper located in the SW Corner Office Room of the 2<sup>nd</sup> floor offices area of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 140 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-302 & 303. The associated gold mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***
- ◆ **Built-up Tar & Felts Roofing System** present under *asbestos-free* white membrane roofing & brown perlite-type insulation located on the upper 2nd floor roof deck area of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous materials system contains 45-50% chrysotile asbestos (*with tar & felt layer*). The associated underlying bottom most black tar & brown paper layers on wood decking were proven *asbestos-free*. There is approximately 2,500 ft<sup>2</sup> of this materials system present. ***Represented by Samples 17-032.1-279, 279a, 279b, 279c, 280 & 280a.***

- ◆ **Built-up Tar & Felts Roofing System** present under gravel, *asbestos-free* black membrane roofing, brown insulation & foam insulation located on the lower western side exterior roof deck of the Central Core building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous materials system contains 45-50% chrysotile asbestos (*with tar & felt layer*). The underlying bottom most tar & brown paper layers on metal decking were proven *asbestos-free*. There is approximately 2,100 ft<sup>2</sup> of this materials system present. ***Represented by Samples 17-032.1-287, 287a, 287b, 287c, 287d, 287e, 288, 288a, 288b, 288c & 288d.***

### **Northeast 3-Story Building Area**

- ◆ **TSI Mudded Joint Fittings & Hangers Piping Insulation** present with fiberglass insulated steam & water supply piping systems located throughout the interior of the Northeast 3-Story building area of the facility were also proven to contain asbestos. These class I, friable, TSI materials contain 2-4% chrysotile asbestos. There is combined an addition of approximately 750 fittings present with the central core area of the facility. ***Represented by Samples 17-032.1-237 & 238.***
- ◆ **9"x 9" VFT Beige in Color & Black Flooring Mastic** present exposed with the 1<sup>st</sup> floor southwest entry hallway, elevator cab and present under *asbestos-free carpet & VSF* with the west half's NE open training room of the Northeast 3-Story building area of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFT contains 2-4% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 3-5% chrysotile asbestos. There is approximately 1,350 ft<sup>2</sup> of these materials present. ***Represented by Samples 17-032.1-177 & 178.***
- ◆ **Beige Colored VSF** present exposed and partially covered by carpeting with the 1<sup>st</sup> floor western half north NW corner 2 open training rooms of the Northeast 3-Story building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 20-25% chrysotile asbestos. There is approximately 1,500 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-179 & 180. The associated pale yellow adhesive mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***
- ◆ **12"x 12" VFT Beige & White in Color & Black Flooring Mastic** present under carpeting with the 1<sup>st</sup> floor southwest corner office room adjacent to the north side of the elevator of the Northeast 3-Story building area of the facility were proven to contain asbestos. The class II, non-friable, miscellaneous VFT contains 1-2% chrysotile; and, the class II, non-friable, miscellaneous black mastic contains 3-5% chrysotile asbestos. There is approximately 65 ft<sup>2</sup> of these materials present. ***Represented by Samples 17-032.1-183 & 184.***
- ◆ **Grey Woven Flex Connector** present with the abandoned through wall air duct system present on the west wall of the 1<sup>st</sup> floor west end open training room of the Northeast 3-Story building area of the facility was proven to contain asbestos. This class II, friable, miscellaneous material contains 25-40% chrysotile asbestos. There is approximately 2 ft<sup>2</sup> of this material present 1 abandoned flex joint. ***Represented by Samples 17-032.1-206 & 207.***

- ◆ **2'x 4' Textured White Wormhole Pattern Suspended Ceiling Tiles (*Lay-In-Type*)** present exposed throughout the majority of the 2<sup>nd</sup> floor (*excluding the NE & SE office suites*) of the Northeast 3-Story building area of the facility was proven to contain asbestos. The class II, friable, miscellaneous mastic contains 3-5% chrysotile and 1-2% amosite asbestos. There is approximately 4,050 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-230 & 231.***
- ◆ **Silver Coated Built-up Tar & Felts Roofing System** present under *asbestos-free* white membrane roofing & brown insulation located on the exterior roof deck and parapet walls of the Northeast 3-Story building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous materials system contains 4-6% chrysotile (*with silver-tar layers*) and 40-45% chrysotile asbestos (*with felt layer*). The associated underlying bottom most brown & black paper layers on wood decking were proven *asbestos-free*. There is approximately 7,000 ft<sup>2</sup> of this materials system present. ***Represented by Samples 17-032.1-239, 239a, 239b, 239c, 240, 240a, 240b, 240c, 240d, 243, 243a, 243b & 244.***
- ◆ **Gold Pebble Pattern VSF** present exposed with the 3<sup>rd</sup> floor western half SE corner roof access mechanical room of the Northeast 3-Story building area of the facility was proven to contain asbestos. The class II, non-friable, miscellaneous material contains 30-35% chrysotile asbestos. There is approximately 40 ft<sup>2</sup> of this material present. ***Represented by Samples 17-032.1-308 & 309. The associated gold mastic by analysis was considered to be embedded with the ACM-paper and is assumed to also be asbestos contaminated.***

## 4.2 MATERIALS ASSUMED TO CONTAIN ASBESTOS

No suspect building materials present with the **Former YWCA Facility** were assumed to contain asbestos, during this pre-demolition survey project.

## 4.3 MATERIALS WITH ASBESTOS CONCENTRATIONS OF LESS THAN 1%

The following sampled homogeneous materials and material systems collected from the **Former YWCA Facility** were proven to contain less than one percent (<1%) asbestos by laboratory analysis (***WISHA Regulated ACMs***), detailed by building area:

### 1965 Pool-Gym Addition (*West Half of Facility*)

- ◆ Asbestos wallboard joint & taping compound mud, containing 1-2% chrysotile asbestos associated with the sheetrock paneling system located throughout the 1<sup>st</sup> & 2<sup>nd</sup> floors central core interior area of the 1965 pool/gym building addition of the facility was composited with the ACM-Free sheetrock, resulting in the sheetrock paneling system as containing <1% chrysotile asbestos. ***Represented by Samples 17-032.1-41, 41-A, 41-B, 42, 42-A & 42B.*** This materials system is not regulated for disposal, however certain worker health & safety due diligence requirements apply for left in-place demolition operations.

## Central Core Building Area (*Banquet Areas & SE 2-Story Building*)

- ◆ *Joint Compound Taping Mud* associated with the *asbestos-free* sheetrock paneling system located throughout the interior of the Northeast 3-Story building area of the facility was proven to contain <1% chrysotile asbestos. **Represented by Samples 17-032.1-98, 98a, 99, 99a, 137a & 138a.** This material is not regulated for disposal, however certain worker health & safety due diligence requirements apply for left in-place demolition operations.
- ◆ *White-Grey Window Glazing Putty* present with the older aluminum framed window units located on the south and west exterior of the 2 story building area of the Central Core building area of the facility was proven to contain <1% chrysotile asbestos. **Represented by Samples 17-032.1-298 & 299.** This material is not regulated for disposal, however certain worker health & safety due diligence requirements apply for left in-place demolition operations.

## Northeast 3-Story Building Area

- ◆ *Joint Compound Taping Mud* associated with the *asbestos-free* sheetrock paneling system located throughout the interior of the 1<sup>st</sup> floor of the Northeast 3-Story building area of the facility was proven to contain <1% chrysotile asbestos. **Represented by Samples 17-032.1-199, 199a, 200 & 200a.** This material is not regulated for disposal, however certain worker health & safety due diligence requirements apply for left in-place demolition operations.

*Refer to Section 5.2 for less than one percent ACM material handling requirements.*

## 4.4 NON-ACM MATERIALS IDENTIFIED

Microscopic examination of samples collected from the following suspect building materials tested from both the **Former YWCA Facility**, did not detect the presence of asbestos minerals (**ACM-Free**) detailed by building area:

### 1965 Pool-Gym Addition (*West Half of Facility*)

- ◆ Tan 1" Ceramic Tile, White Grout & Grey Mortar (*of men's L/R*) (**Samples 01 & 02**)
- ◆ Blue 1" Ceramic Tile, White Grout & Grey Mortar (*of women's L/R*) (**Samples 03 & 04**)
- ◆ 4" Grey Vinyl Cove Base (VCB) & White Mastic (*of staff break Rm*) (**Samples 11 & 12**)
- ◆ Grey Mortar (*of Int/CMU walls*) (**Samples 12, 13 & 221**)
- ◆ Green 4" Ceramic Tile, Grey Grout & Mortar (*of women's L/R*) (**Samples 13 & 14**)
- ◆ Green 1" Ceramic Tile, Grey Grout & Mortar (*of staff L/R*) (**Samples 15 & 16**)
- ◆ White Caulking (*of RR/LR fixtures*) (**Samples 17 & 18**)
- ◆ Yellow 1" Ceramic Tile, Grey Grout & Mortar (*of men's L/R*) (**Samples 19 & 20**)
- ◆ 4" Beige VCB & White Mastic (*of men's LR*) (**Samples 21 & 22**)
- ◆ 4" Wood Floor Tile & Brown Mastic (*of 2<sup>nd</sup> floor training Rm*) (**Samples 23 & 24**)
- ◆ 4" Black VCB & White Mastic (*of break/game room*) (**Samples 25 & 26**)
- ◆ Grey/White Plaster Skim Wall Coating (*throughout interior*) (**Samples 27 through 33**)
- ◆ Grey Mortar (*of CMU block walls*) (**Samples 34 & 35**)



- ◆ 4" Black Thick VCB & White Mastic (*of gymnasium room*) (**Samples 36 & 37**)
- ◆ Blue/White Wall Texture Surfacing (*of gymnasium room*) (**Samples 38, 39 & 40**)
- ◆ Grey Plaster Wall System (*of select interior areas*) (**Samples 43, 44, 45, 58, 59 & 60**)
- ◆ Yellow 4" Ceramic Tile, White Grout & Grey Mortar (*of men's L/R*) (**Samples 46 & 47**)
- ◆ Foil Backing Paper (*of FG bat insulation of 2<sup>nd</sup> floor mech. Rm.*) (**Samples 50 & 51**)
- ◆ Black Rubber Damper Joints (*of HVAC flex joints*) (**Samples 52 & 53**)
- ◆ Black Cloth Damper Joints (*of HVAC flex joints*) (**Samples 54, 55, 81 & 82**)
- ◆ White Formica & Red Adhesive (*of L/R area countertops*) (**Samples 56 & 57**)
- ◆ Green 1" Ceramic Tile, Grey Grout & Mortar (*of pool area*) (**Samples 61 & 62**)
- ◆ 14" Black Pumas Wall Tiles & Brown Mastic (*of pool area*) (**Samples 63, 64, 65 & 66**)
- ◆ Tar Impregnated Brown/Silver Backing Paper (*of FG piping insulation*) (**Samples 79 & 80**)
- ◆ Brown Insulation & Tar Adhesive (*of pool crawlspace concrete walls*) (**Samples 83 & 84**)
- ◆ Grey Concrete (*of building area foundation*) (**Samples 85 & 86**)
- ◆ Blue Wall Paneling & Tan Adhesive (*of gym upper walls*) (**Samples 173 & 174**)
- ◆ 2'x 2' White Wormhole Ceiling Tile & Brown Mastic Dots (*of gym*) (**Samples 175 & 176**)
- ◆ Grey Caulking Sealant (*of Ext. tilt-up wall joints*) (**Samples 257 & 258**)
- ◆ Grey Concrete (*of Ext. tilt-up walls*) (**Samples 259 & 260**)
- ◆ Grey Concrete (*of facility Ext. sidewalks*) (**Samples 261 & 262**)
- ◆ White Caulking (*of Ext. membrane roofing system*) (**Samples 267 & 268**)

### **Central Core Building Area (Banquet Areas & SE 2-Story Building)**

- ◆ 4" Black VCB & Brown Mastic (*throughout area*) (**Samples 94 & 95**)
- ◆ 2'x 4' White Wormhole Suspended Ceiling Tile (*of fireplace room*) (**Samples 104 & 105**)
- ◆ Grey Plaster Wall System (*of select areas*) (**Samples 108, 109 & 110**)
- ◆ Grey/White Plaster Skim Wall Coating (*of select areas*) (**Samples 111 through 113a**)
- ◆ Tan 2" Ceramic Tile, White Grout & Yellow Adhesive (*of fireplace*) (**Samples 114 & 115**)
- ◆ Grey Mortar (*of moss rock wall stone*) (**Samples 116 & 117**)
- ◆ 4" Blue VCB & White Mastic (*throughout area*) (**Samples 118 & 119**)
- ◆ Gold Carpet Mastic (*limited area throughout*) (**Samples 120 & 121**)
- ◆ Grey Mortar of Red Brick Walls (*throughout area*) (**Samples 124 & 125**)
- ◆ Grey Mortar of Newer Red Brick Raised Hearth (*of west entry area*) (**Samples 126 & 127**)
- ◆ Painted Fabric Type Wall Covering (*of select office area*) (**Samples 128, 129 & 130**)
- ◆ 12"x 12" White Wormhole Pattern Ceiling Tile (*of kitchen area*) (**Samples 133 & 134**)
- ◆ Brown Mastic Dots (*of kitchen area 12" ceiling tile*) (**Samples 135 & 136**)
- ◆ Grey 1" Ceramic Tile, Grey Grout & Tan Adhesive (*of RR floors*) (**Samples 137 & 138**)
- ◆ Grey 4" Ceramic Tile, Grey Grout & Adhesive (*of RRs wall-base*) (**Samples 139 & 140**)
- ◆ White Ceramic Tile, Brown Grout & Gold Adhesive (*office countertop*) (**Samples 141 & 142**)
- ◆ 2'x 4' White Wormhole Suspended Ceiling Tile (*majority throughout*) (**Samples 143 & 144**)
- ◆ Grey Plaster Skim Coating (*over cork throughout 2<sup>nd</sup> floor*) (**Samples 147, 148 & 149**)
- ◆ 2'x 2' White Wormhole Suspended Ceiling Tile (*throughout 2<sup>nd</sup> floor*) (**Samples 150 & 151**)
- ◆ Grey VSF & Gold Mastic (*of SW corner kitchenette area*) (**Samples 152 & 153**)
- ◆ Beige VSF & Gold Mastic (*of SW corner RRs area*) (**Samples 154 & 155**)
- ◆ 4" Grey VCB & White Mastic (*of SW corner area*) (**Samples 156 & 157**)

- ◆ White 4” Ceramic Tile, Grout & Peach Adhesive (*of SW corner RRs*) (**Samples 158 & 159**)
- ◆ Green/White Plaster Skim Coating (*of small banquet rm*) (**Samples 160, 161 & 162**)
- ◆ Grey Blown-in Attic Insulation (*of 2<sup>nd</sup> floor area*) (**Samples 163, 164 & 165**)
- ◆ Grey Plaster Ceiling System (*of older 2<sup>nd</sup> fl. suspended ceiling*) (**Samples 166 through 168a**)
- ◆ Brown Mastic Dots (*2<sup>nd</sup> fl. on plaster & ACM browns-coat ceilings*) (**Samples 169 & 170**)
- ◆ Corkboard Wall Paneling (*of inner walls throughout 2<sup>nd</sup> floor*) (**Samples 171 & 172**)
- ◆ Green 1” Ceramic Tile, Grey Grout & Tan Mastic (*of Ext. sidewalls*) (**Samples 255 & 256**)
- ◆ White Membrane Roofing, o/Green Foam, o/Black Tar & Felt Built-up Roofing, o/Yellow Form on Metal Decking (*of E. Ext. lower roof deck*) (**Samples 271, 271a, 271b, 271c, 272, 272a, 272b & 272c**)
- ◆ Grey Caulking (*of E. Ext. lower roof deck roofing & window frames*) (**Samples 273 & 274**)
- ◆ White Foil Backing Paper (*of solar room FG insulations*) (**Samples 275 & 276**)
- ◆ Grey/Brown Cloth Damper Joints (*of roof top HVAC room flex joints*) (**Samples 277 & 278**)
- ◆ White/Grey Membrane Roofing, o/Sheetrock, o/Black Tarpaper on Metal Decking (*of roof top HVAC room roof deck*) (**Samples 281, 281a, 281b, 282, 282a & 282c**)
- ◆ White Caulking (*of 2<sup>nd</sup> fl. & HVAC Ext. membrane roofing's*) (**Samples 283 & 284**)
- ◆ Silver Coating & Underlying Tar (*on parapet walls of 2<sup>nd</sup> fl. roof deck*) (**Samples 285 & 286**)
- ◆ Grey/White Stucco Siding (*of Ext. sidewalls*) (**Samples 293, 294 & 295**)
- ◆ White Membrane Roofing, o/Foam Insulation, o/Brown Insulation, o/Black Tar & Tarpaper on Metal Decking (*of solar room roof deck*) (**Samples 296, 296a, 296b, 296c, 297, 297a, 297b, 297c & 282d**)
- ◆ 12”x 12” Cream w/Grey Streaks VFT & Gold Mastic (*of 2<sup>nd</sup> fl. NW RR*) (**Samples 300 & 301**)

### **Northeast 3-Story Building Area**

- ◆ Gold Carpet Mastic (*throughout 1<sup>st</sup> floor*) (**Samples 181 & 182**)
- ◆ White/Blue VSF & Gold Mastic (*of 1<sup>st</sup> floor RR*) (**Samples 185 & 186**)
- ◆ Beige VSF & Gold Mastic (*of 1<sup>st</sup> floor NE yellow painted rm*) (**Samples 187 & 188**)
- ◆ Grey Pebble VSF, Gold Mastic & Grey Leveling (*of 1<sup>st</sup> fl. NE yellow rm*) (**Samples 189 & 190**)
- ◆ 4” Black VCB & Gold-Brown Mastics (*throughout 1<sup>st</sup> fl.*) (**Samples 191 & 192**)
- ◆ Tan Adhesive of Wall Paneling (*of 1<sup>st</sup> floor RR*) (**Samples 193 & 194**)
- ◆ Grey Mortar of Red Brick Walls (*throughout area*) (**Samples 195, 196, 253 & 254**)
- ◆ 2’x 4’ White Wormhole Suspended Ceiling Tile (*throughout 1<sup>st</sup> fl.*) (**Samples 197 & 198**)
- ◆ Gold FG Insulation Adhesive (*of above ceiling air ducting*) (**Samples 201 & 202**)
- ◆ Sheetrock Paneling (*of 2<sup>nd</sup> floor*) (**Samples 208 & 209**)
- ◆ Joint & Taping Compound Mud (*of 2<sup>nd</sup> floor SR*) (**Sub-samples 208a & 209a**)
- ◆ Grey Concrete (*of bldg. foundation & Int. floors*) (**Samples 210 & 211**)
- ◆ 12”x 12” Blue VFT & Gold Mastic (*of 2<sup>nd</sup> fl. SE Suite, select rooms*) (**Samples 212 & 213**)
- ◆ Grey 2” Ceramic Tile/Grout & Yellow Mastic (*of 2<sup>nd</sup> fl. SE Suite RR*) (**Samples 214 & 215**)
- ◆ Grey Concrete (*of 2<sup>nd</sup> fl. SE Suite RR*) (**Sub-sample 214a**)
- ◆ Tan 4” Ceramic Tile/Grout & White Mastic (*of 2<sup>nd</sup> fl. SE Suite RR*) (**Samples 216 & 217**)
- ◆ Clear Brown Carpet Mastic (*of 2<sup>nd</sup> fl. SE Suite reception area*) (**Samples 218 & 219**)
- ◆ 2’x 4’ White Wormhole Suspended Ceiling Tile (*of 2<sup>nd</sup> fl. SE Suite*) (**Samples 220 & 221**)
- ◆ 4” Grey VCB & White Mastic (*of 2<sup>nd</sup> fl. SE Suite*) (**Samples 222 & 223**)

- ◆ Red-Grey Floor Coating (*under carpet squares of 2<sup>nd</sup> fl. NW Suite*) (**Samples 228 & 229**)
- ◆ 12"x 12" Black VFT & Gold Mastic (*of 2<sup>nd</sup> fl. SW elevator entry*) (**Samples 232 & 233**)
- ◆ Orange Peel Type Wall Texture (*of 2<sup>nd</sup> fl. NW Suite walls*) (**Samples 234, 235 & 236**)
- ◆ Grey Caulking (*of Ext. membrane roofing system*) (**Samples 241 & 242**)
- ◆ Black Foam Flooring & Tan Mastic (*of 3<sup>rd</sup> fl. SW corner rm.*) (**Samples 245 & 246**)
- ◆ Gold Carpet Mastic (*throughout 3<sup>rd</sup> floor*) (**Samples 226, 226a, 227, 247, 248, 304 & 305**)
- ◆ White 4 Ceramic Tile/Grout & Gold Mastic (*of 3<sup>rd</sup> fl. RRs*) (**Samples 249 & 250**)
- ◆ Tan 1" Ceramic Tile, Grey Grout & Green Mastic (*of 3<sup>rd</sup> fl. RRs*) (**Samples 251 & 252**)
- ◆ White 4" Ceramic Tile/Grout & Yellow Mastic (*of S. Ext. wall area*) (**Samples 263 & 264**)
- ◆ Grey/White Stucco Siding (*of Ext. sidewalls*) (**Samples 289, 290, 291 & 292**)

## 4.5 MATERIALS ASSUMED NOT TO CONTAIN ASBESTOS

The following building material types were assumed not to contain asbestos, based on age, appearance or inspector's expertise:

- ◆ Wood components – framing, walls, and cabinets.
- ◆ Glass – exterior and interior.
- ◆ Metal – structural support, ducting, siding, doors and windows.
- ◆ Fiberglass insulation – attic, walls, ducts and pipes.

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

Our findings are based strictly on information obtained from our site observations during survey activities and from sample analysis. Consistent with our knowledge and understanding of environmental regulations, particularly as they apply to the potential liabilities associated with asbestos-containing building materials, we present the following conclusions and recommendations:

### 5.1 CONCLUSIONS

Mountain Consulting Identified **Three (3)** Class I, Friable, Regulated Asbestos Containing Material Types: **1) TSI Jacket-Blanket Type Insulation** (*present with the well water holding tank, hot water holding tank, boiler(s) exhaust ducting system and a small wall mounted expansion tank all located within the basement of the 1965 Pool/Gym Wing of the facility*); **2) TSI-Mudded Joint Pipe Fittings/Hangers Insulation** (*present with the fiberglass insulated domestic water, steam supply and roof drain piping systems located throughout the interior of the entire facility*); and, **3) Browns-Coat Ceiling Texture** (*present with interior ceilings throughout of the 2<sup>nd</sup> Floor Offices area of the facilities central building core area*). These materials were all considered to be in fair to good conditions with minor areas impacted, abraded and missing.

Mountain Consulting Identified **Two (2)** Class II, Friable, Regulated Asbestos Containing Material Types: **1) 2'x 2' White Wormhole Patter Ceiling Tile, Spline-Lock Type** (*present with the ceilings in both banquet rooms and the NW corner lobby area within the facilities central core area*); **2) 2'x 4' Textured White Wormhole Pattern Ceiling Tile, Lay-In Type** (*present throughout the majority of the 2<sup>nd</sup> floor within the NE 3-Story building area of the facility*); and,

**3) A Grey Woven Type Ducting Flex Connector** (*present with 1 abandoned through-wall air duct located on the east end exterior wall of the 1<sup>st</sup> floor within the NE 3-Story building area of the facility*). These materials were all considered to be in fair condition with minor areas impacted, abraded and missing.

Mountain Consulting identified **Five (5)** Class II, Non-Friable, Regulated Asbestos Containing Material Types: **1) 9" & 12" Vinyl Floor Tiles** (*present with multiple interior flooring areas throughout the facility*); **2) Black Flooring Mastics** (*present with multiple interior flooring areas throughout the facility, mostly on concrete substrates*); **3) Vinyl Sheet Floorings** (*present with many limited select interior flooring areas throughout the facility*); **4) Built-up Tar & Felts Roofing Systems** (*present under asbestos-free membrane roofing systems and associated insulations with the majority of exterior roof decks present with the facility*); and, **5) Silver-Grey Roof Tar Coating** (*present on the exterior sidewalls of the small doghouse mechanical vent piping structure located on the exterior roof deck of the 1965 Gym/Pool building addition of the facility*). These materials are all considered to be in fair to good conditions with minor areas impacted, abraded or missing.

Mountain Consulting identified **Four (4)** non-regulated, non-friable, miscellaneous materials or material systems, that contain less than one percent (<1%) asbestos: **3 Different - Sheetrock & Joint Compound Wallboard Paneling Systems** (*present throughout the center core area of the 1965 gym/pool addition; the central core banquet/2-story building area; and, the 1<sup>st</sup> floor of the NE 3-Story building of the facility*); and, **White-Grey Window Glazing Putty** (*present with the 2-Story building area of the Central Core building area of the facility*). The <1% ACM materials/wallboard systems are not regulated for disposal however certain worker health & safety due diligence requirements still apply for removal of left in-place demolition operations. ***Refer to Section 5.2 for material handling requirement.***

In accordance with regulatory protocol, all suspect materials identified as, or assumed to be, asbestos containing must be managed as ACM until further sampling documents otherwise. The owner may refute, by additional point-count analysis, the ACM status of materials found to contain less than 10% asbestos. However, for materials such as vinyl tile and adhesive with concentrations between 1% and 10%, reanalysis by point counting typically does not decrease estimated concentrations enough to justify non-ACM classification.

## **5.2 RECOMMENDATIONS**

**Regulated Asbestos Containing Materials:** Properly trained workers employed by a certified asbestos-abatement contractor may work on, remove, or dispose of class I (*friable*) & class II (*non-friable*) asbestos containing materials using wet methods, appropriate work practices, and proper engineering controls. Workers need either 8 or 32 hours of training (*depending on material type*) and must be supervised by a competent person with 40 hours of training (*asbestos supervisor*).

**<1% Gypsum Wallboard Systems:** If these materials will be directly sanded or similarly disturbed during renovation or modification, certified asbestos workers using wet methods, appropriate work practices, and engineering controls will be needed. Demolition or removal of this material is regulated under WISHA by the Washington State Department of Labor and Industries (L&I).

For wallboard systems (*sheetrock plus joint and smoothing compounds*), WRD 23.30 states that “L&I will not consider the work an asbestos project” if the “wallboard system is found to contain <1% or trace asbestos.”

However, WRD 23.30 says that non-regulated ACM must be handled in a way that protects worker safety & health and the environment. The material must be handled using “basic asbestos work practice requirements as given in (WAC) 296-62-07712(2), particularly use of non-aggressive wet methods and prompt cleanup. Vacuums used must be HEPA filtered.

Worker training must include asbestos awareness and hands on training as given in WAC 296-62-07722 (5). Respiratory protection must be based on overall dust levels. A competent person must be assigned and trained under the requirements of WAC 296-62-07728.”

As this work is not considered an abatement project, an abatement contractor is not needed to remove the wallboard system materials. Demolition debris from the wallboard system can be disposed of as standard construction debris.

**ACM-Free Materials:** The materials proven not to contain asbestos (*ACM-Free*) require no further action in regard to asbestos regulations. These materials and the materials/wallboard systems proven to contain less than one percent (<1%) asbestos may be disposed of in a landfill that accepts standard construction debris. *It should be noted that some landfills do not accept Sheetrock Materials that contain any amount of asbestos, prior landfill approval should be obtained.*

**If any materials not identified in this survey are uncovered during demolition operations, they must be considered to asbestos containing until sampling and analysis proves otherwise.** ACM must be handled in accordance with OSHA, WISHA, NESHAP, and local regulations.

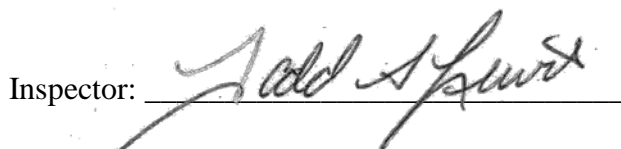
The building owner or tenant is required by OSHA regulations to notify all maintenance and custodial workers of the presence and location of ACMs. Maintenance and custodial work during which employees will contact but not disturb asbestos shall be performed by workers with at least 2 hours of asbestos awareness training.

The Spokane Regional Clean Air Agency (SRCAA), the local building department, and the local fire department should be contacted regarding possible permit requirements.

## STATEMENT OF PROFESSIONALISM

Mountain Consulting Services hereby certifies that the **Pre-Demolition “Good-Faith” Asbestos Survey** conducted for the suspect asbestos containing building materials that comprise the Former YWCA Facility addressed at 829 West Broadway Avenue in Spokane, Washington 99201 was conducted under modified protocols of 40 CFR 763.85. All policies and procedures described in 40 CFR 763 have been followed. All work and statements contained herein are certified true and correct to the best of Mountain Consulting’s ability.

Inspector: \_\_\_\_\_



Date: March 27<sup>th</sup> of 2017

**Todd A. Lewis**

EPA - AHERA Building Inspector

Certification: BIR20160916-03

Expiration: September 16, 2017

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**SECTION 3  
PRE-DEMOLITION LEAD  
COATINGS SURVEY**

## PRE-DEMOLITION LEAD COATINGS SURVEY – TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION AND SITE DESCRIPTION .....</b>	<b>1</b>
<b>2.0</b>	<b>SCOPE OF WORK.....</b>	<b>1</b>
	2.1 Homogeneous Coatings.....	2
	2.2 Bulk Sampling .....	2
	2.3 TCLP Bulk Sampling .....	2
<b>3.0</b>	<b>RESULTS.....</b>	<b>4</b>
	3.1 Lead Bulk Sample Results .....	4
	3.2 TCLP Bulk Sample Results .....	6
<b>4.0</b>	<b>RECOMMENDATIONS .....</b>	<b>7</b>
<b>5.0</b>	<b>HEALTH EFFECTS OF LEAD EXPOSURE .....</b>	<b>8</b>

### APPENDICES

- A: Certifications & Accreditations
- B: Asbestos Bulk Sample Analysis Report
- C: Asbestos Bulk Sample Location Drawings
- D: Lead Bulk Coating & TCLP Sample Analysis Reports
- E: Lead Bulk Sample Location Drawings
- F: Project Photographs



# **PRE-DEMOLITION REGULATED & HAZARDOUS MATERIALS SURVEY; FORMER YWCA FACILITY; 829 W. BROADWAY AVENUE; SPOKANE, WA**

## **PRE-DEMOLITION LEAD COATINGS SURVEY REPORT**

### **1.0 INTRODUCTION**

Mr. Steve Wilson representing The Falls, LLC contracted Mountain Consulting Services (*Mountain Consulting*) to conduct a **Pre-Demolition Lead Coating Survey** of the entire Former YWCA Facility addressed at 829 West Broadway Avenue in Spokane, Washington.

This project was conducted to facilitate the total demolition of the former YWCA Building facility. No prior survey documentation was provided or utilized during this survey project.

by Mr. David A. Jones, Washington State Lead Risk Assessor ; Certification 0567; Expiration February 16, 2019, conducted the field survey investigations for this project on February 28<sup>th</sup> and March 1<sup>st</sup> of 2017. (*See Appendix A for inspector certifications and laboratory accreditations.*)

This survey complies with all applicable state and federal regulations and is provided to help the property owner determine the impact of lead coating and material hazards for the scheduled renovation project.

### **2.0 SCOPE OF WORK**

The tested materials were sampled in accordance with the requirements for lead based paint testing and due diligence notification as per Chapter 296-62, Washington Administrative Code (WAC), General Occupational Health Standards; Chapter 296-62-0721, Part I, WAC, Lead; Chapter 296-155, Safety Standard for Construction Work; 29 CFR 1926.62 OSHA Lead in Construction Work; and 29 CFR 1910.1025 OSHA Lead General Industry Standards.

The sampling included visual evaluation, classification and analysis of suspected LBP coatings (*Paint Films & Glazed Ceramic Tile Materials*) present throughout the interior and exterior of the Former YWCA Building Facility. The sampling included the following tasks:

- ◆ Visual survey and assessment of the location and condition of suspected coating(s).
- ◆ Collection and analysis of bulk sample(s) from suspected coating(s).
- ◆ Preparation of a report summarizing the identification and assessment of any LBP or ceramic glazing coatings.

## 2.1 HOMOGENEOUS COATINGS

Homogeneous coatings are those considered to be consistent throughout an area based on color, texture, and construction era. For the purpose of this survey, homogeneous coatings were delineated using the construction era, coating color, and coating location as the primary considerations. Coating appearance, texture, and analytical results may support assumptions about each coating(s) homogeneity.

## 2.2 BULK SAMPLING

Destructive bulk paint sampling was conducted by Mountain Consulting for this project. Mountain Consulting collected **Seventy-Two (72) Bulk Coating Samples** (*56 paint films and 16 glazed ceramic tile materials*) for this project. The bulk samples consisted of all the paint that could be scrapped or removed from an area of approximately 2 square inches (in<sup>2</sup>) for each targeted suspect coating.

The samples were submitted following proper chain-of-custody procedures to EMSL Analytical in Cinnaminson, New Jersey, for analysis by methods SW846 3050B/7000B\*. EMSL Analytical, Inc. (*phone 1-800-220-3675*) is accredited by the American Industrial Hygiene Association (AIHA). Their accreditation certificate is provided in Appendix A.

## 2.3 TCLP BULK SAMPLING

The Washington State Dangerous Waste Regulation (*WAC 173-303*) requires that lead containing materials with a lead content above 100 ppm (*parts per million*) threshold be treated as lead hazardous waste, until toxic characterization leaching procedure (*TCLP*) bulk waste stream sampling prove otherwise. The TCLP lead characterization threshold is 5 ppm.

Since the building contains a non-recyclable building materials coated with regulated lead containing coatings, Mountain Consulting collected Three (3) composite building materials TCLP (*toxic characterization leaching procedure*) bulk waste stream samples for this project; One (1) from each of the 3 different distinct building areas (*the 1965 west pool/gym building addition; the central core area that includes the SE-2 Story building; and, the NE-3 Story building area*).

A representative TCLP samples consists of the collection of various components of a waste stream generated by a renovation, demolition or abatement project in the same weight proportion as is found in the entire bulk of the waste. As such, a representative sample should contain a sample of all major items found in the proposed waste stream, in an approximate weight proportion.

The sampler must estimate the approximate total weight or mass (in percent) of the debris before it is removed or generated. Samples are then collected so that each major component of the debris is present in approximately the correct proportion, including the entire cross-section of the substrate.

The collected TCLP samples each consisted of at least 4 ounces of LBP coated composite building materials to meet the minimum requirements for TCLP sampling. The following tables list the percentages of sampled building components: the sum total of which equals 100% of the proposed waste stream:

**17-032.1-TCLP1 (1965 WEST POOL/GYM BUILDING ADDITION, WASTE STREAM)**

Waste Stream Components	Percentage of Waste Stream
Painted Wood Components	2%
Glazed Ceramic Tiling Components	3%
Painted CMU & Mortar	10%
Painted Sheetrock Wallboard	5%
Painted Concrete	10%
Painted Plaster Wall System	5%
Carpet, Vinyl Flooring & Vinyl Cove Base	5%
Unpainted Concrete	40%
Painted Fiber Ceiling Tiles & Adhesive	1%
Fiberglass Insulations	3%
Membrane Roofing & Insulation	15%
Glass Components	1%
Total Percentage:	100%

**17-032.1-TCLP2 (CENTRAL CORE & SE-2 STORY BUILDING AREA, WASTE STREAM)**

Waste Stream Components	Percentage of Waste Stream
Painted Plaster Wall System	5%
Painted Sheetrock Wallboard	5%
Unpainted Wood Framing	20%
Painted Fiber Ceiling Tile & Sheet-Metal Grid	5%
Painted & Unpainted Brick & Mortar	25%
Tar & Cork Wall Insulation System	3%
Blown-In Type Wall & Ceiling Insulation	1%
Glazed Ceramic Tiling Components	1%
Carpet, Vinyl Flooring & Vinyl Cove Base	5%
Varnished Wood Components	2%
Fiberglass Insulations	2%
Membrane Roofing & Insulation	10%
Unpainted Concrete	15%
Glass	1%
Total Percentage:	100%

**17-032.1-TCLP3 (NE-3 STORY BUILDING AREA, WASTE STREAM)**

Waste Stream Components	Percentage of Waste Stream
Painted CMU & Mortar	5%
Painted & Unpainted Brick & Mortar	40%
Painted Fiber Ceiling Tile & Sheet-Metal Grid	2%
Painted Sheetrock Wallboard	5%
Fiberglass Insulations	3%
Carpet, Vinyl Flooring & Vinyl Cove Base	5%
Unpainted Wood Framing	15%
Varnished Wood Components	2%
Unpainted Concrete	10%

Glazed Ceramic Tile Components	1%
Membrane Roofing & Insulation	10%
Glass	2%
Total Percentage:	100%

The TCLP samples were submitted following proper chain of custody procedures to Anatek Labs, Inc. located in Spokane, Washington for analysis by method SW846-6020A. Anatek Labs, Inc. (phone 509-838-3999) is accredited by the Washington State Department of Ecology (WDOE). The accreditation certificate is provided in Appendix A.

### 3.0 RESULTS

#### 3.1 BULK SAMPLE RESULTS

The Occupational Safety and Health Administration (OSHA) and the Washington State Industrial Safety and Health Administration (WISHA) do not define by regulation a definition for lead coatings.

The Housing & Urban Development (HUD) Federal Regulation action limit for the presence of lead by bulk coating analysis is 0.5 percent by weight (% wt.) that converts to 5,000 parts per million (ppm) for target housing only and therefore does not apply to renovation or demolition projects.

Mountain Consulting collected **Seventy-Two (72) Bulk Coating Samples** (56 paint films and 16 glazed ceramic tile materials) for this project. Bulk samples were collected from majority coatings present throughout the interior and exterior of the **Former YWCA Building Facility**.

The results of the bulk samples collected for this project are listed as follows by component type and Building Area: [Refer to Appendix D for laboratory report and chain of custody].

#### 1965 Pool-Gym Addition (West Half of Facility) 17-032.1-LBP-

- |  |           |
|--|-----------|
| 1. Gold Varnish on Gyms Wood Flooring        | <100 ppm  |
| 2. Tan Glazed 1"x 1" Ceramic Floor Tiling    | <40 ppm   |
| 3. Green Glazed 1"x 1" Ceramic Floor Tiling  | <40 ppm   |
| 4. Red Glazed 4"x 8" Ceramic Floor Tiling    | <40 ppm   |
| 5. Yellow Glazed 4"x 4' Ceramic Wall Tiling  | 2,600 ppm |
| 6. Green Glazed 4"x 4' Ceramic Wall Tiling   | 570 ppm   |
| 7. Blue Paint on Concrete Walls              | <100 ppm  |
| 8. Light Blue Paint on Concrete Walls        | <100 ppm  |
| 9. Blue Paint on CMU Block Walls             | 110 ppm   |
| 10. Light Blue Paint on CMU Block Walls      | 130 ppm   |
| 11. Dark Grey Paint on Cement Floors         | 100 ppm   |
| 12. Gold Varnish on Wood Par key Floor Tiles | <100 ppm  |
| 13. White Paint on Sheetrock Walls-Ceilings  | <100 ppm  |
| 14. White Paint on CMU Block Walls           | <100 ppm  |
| 15. Green Glazed 4"x 6" Ceramic Wall Tiling  | 690 ppm   |

<b>16. Various Colored Wall Mural on Sheetrock</b>	<b>&lt;100 ppm</b>
17. Blue Paint on Wood Doors & Door Trims	960 ppm
<b>18. White Paint on 12" Pumas Type Wall Tiles</b>	<b>&lt;100 ppm</b>
<b>19. White Paint on 2'x 4' Fiber Ceiling Tiles</b>	<b>&lt;100 ppm</b>

**Central Core Building Area (Banquet Rms & SE 2-Story Bldg.) 17-032.1-LBP-**

<b>20. White-Grey Glazed 1"x 1" Ceramic Floor Tiling</b>	<b>&lt;40 ppm</b>
21. Grey Glazed 4"x 6" Ceramic Wall Tiling	730 ppm
<b>22. White Glazed 4"x 4" Ceramic Wall Tiling</b>	<b>&lt;100 ppm</b>
<b>23. Grey Paint on Sheetrock &amp; Plaster Walls</b>	<b>&lt;100 ppm</b>
<b>24. Light Grey Paint on Sheetrock &amp; Plaster Walls</b>	<b>&lt;100 ppm</b>
<b>25. White Paint on Canvas Type Wall Covering</b>	<b>&lt;100 ppm</b>
26. White Paint on Sheetrock Walls	2,000 ppm
27. Grey Paint on Sheetrock Walls	460 ppm
28. Yellow Paint on Brick Walls	160 ppm
<b>29. Green Paint on Plaster Walls</b>	<b>&lt;100 ppm</b>
30. Blue Paint on Sheetrock & Plaster Walls	1,300 ppm
31. Green Paint on Plaster Walls	750 ppm
<b>32. Tan Glazed 2"x 2" Ceramic Fireplace Tiling</b>	<b>&lt;40 ppm</b>
<b>33. White Paint on 2'x 2' Fiber Ceiling Tiles</b>	<b>&lt;100 ppm</b>
34. Blue Paint on Wood Doors & Door Trims	1,200 ppm
<b>35. Gold Varnish on Wood Components</b>	<b>&lt;100 ppm</b>
36. Grey Paint on Wood Doors & Door Trims	210 ppm
<b>37. White Paint on Plaster Walls &amp; Ceilings</b>	<b>&lt;100 ppm</b>
43. Silver Paint on Cork & Brick Walls	2,600 ppm

**Northeast 3-Story Building Area (1<sup>st</sup> Floor Area) 17-032.1-Pb-**

38. Grey Paint on Concrete Floors	860 ppm
<b>39. Grey Paint on Sheetrock Walls</b>	<b>&lt;100 ppm</b>
<b>40. Dark Grey Paint on Brick Walls</b>	<b>&lt;100 ppm</b>
<b>41. White Paint on Brick Walls</b>	<b>&lt;100 ppm</b>
<b>42. Grey-White Paint on CMU Block Walls</b>	<b>&lt;100 ppm</b>
44. Brown Paint on Sheetrock Walls	2,600 ppm
45. Yellow Paint on CMU Block Walls	220 ppm
46. White Paint on Brick Walls	370 ppm
47. Yellow Paint on Sheetrock Walls	3,900 ppm
48. Blue Paint on Wood Doors & Door Trims	160 ppm
<b>49. White Paint on 2'x 4' Fiber Ceiling Tiles</b>	<b>&lt;100 ppm</b>

**Northeast 3-Story Building Area (2<sup>nd</sup> Floor Area) 17-032.1-Pb-**

<b>50. Red Paint on Concrete Floors</b>	<b>&lt;100 ppm</b>
<b>51. Orange Paint on Sheetrock Walls</b>	<b>&lt;100 ppm</b>

52. Blue Paint on Brick Walls	810 ppm
53. Purple Paint on Sheetrock Walls	260 ppm
<b>54. Yellow Paint on Sheetrock Walls</b>	<b>&lt;100 ppm</b>
55. Gold Varnish on Wood Components	260 ppm
<b>56. Brown Paint on Sheetrock Walls</b>	<b>&lt;100 ppm</b>
57. Red Paint on Wood Doors & Door Trims	<280 ppm
<b>58. Gold Varnish on Wood Floor Tiling</b>	<b>&lt;100 ppm</b>
<b>59. Tan Paint on Brick &amp; Sheetrock Walls</b>	<b>&lt;100 ppm</b>
<b>60. White Glazed 4"x 4" Ceramic Wall Tiling</b>	<b>&lt;40 ppm</b>
<b>61. Tan Glazed 2"x 2" Ceramic Floor Tiling</b>	<b>&lt;40 ppm</b>

#### **Northeast 3-Story Building Area (2<sup>nd</sup> Floor Area) 17-032.1-Pb-**

<b>62. Tan Glazed 1"x 1" Ceramic Floor Tiling</b>	<b>&lt;40 ppm</b>
63. Tan Glazed 6"x 6" Ceramic Wall Tiling	100 ppm
<b>64. Green Paint on Wood Walls</b>	<b>&lt;100 ppm</b>
65. Red Paint on Brick Walls	210 ppm
66. Tan & Grey Paints on Wood Ceilings	300 ppm

#### **Facility Exterior 17-032.1-Pb-**

67. Yellow Stripping Paint of Ext. Parking Lots	29,000 ppm
68. Grey Paint on Steel Doors, Windows & Frames	1,800 ppm
69. White Paint on Steel Doors, Windows & Frames	75,000 ppm
70. Green Glazed 1"x 1" Ext. Ceramic Wall Tiling	480 ppm
<b>71. White Paint on Ext. Stucco Siding</b>	<b>&lt;100 ppm</b>
<b>72. Blue/White Glazed 4"x 4" Ceramic Wall Tiling</b>	<b>&lt;40 ppm</b>

Note: ppm = parts per million

*The bolded-italicized coatings present with the facility are considered to NOT BE Regulated for Lead Content.* All other listed paint coatings are considered to be **regulated lead based paints** (Regulated LBPs). The coated building components may pose potential lead exposure hazards. Contractors working on this facility should be informed of the potential lead hazards and lead coating contents.

### **3.2 TCLP SAMPLE RESULTS**

The result of the Lead Composite Building Materials TCLP bulk samples collected for this project are provided in the following tables: [Refer to Appendix E for laboratory report and chain of custody].

Former YWCA Facility – Lead TCLP Waste Stream Sample Results		
Sample #	Sample Make-Up	Results ppm
17-032.1-TCLP1	1965 West Pool-Gym Building Addition - Lead Containing Demolition Waste Stream: (Painted Wood; Glazed Ceramic Tiling; Painted CMU & Mortar; Painted Sheetrock; Painted Concrete; Painted Plaster; Vinyl Flooring; Vinyl Cove Base; Unpainted Concrete; Painted Fiber Ceiling Tile; Carpeting; Fiberglass Insulations; Membrane Roofing & Insulation; and, Glass)	<b>No Detect (N/D)</b> for Leachable Lead Content
17-032.1-TCLP2	Central Core Banquet Rooms & SE 2-Story Building Area - Lead Containing Demolitions Waste Stream: (Painted Plaster; Painted Sheetrock; Unpainted Wood Framing; Painted Fiber Ceiling Tile; Painted & Unpainted Red Brick & Mortar; Cork & Tar Wall Insulation; Carpet; Vinyl Flooring & Cove Base; Varnished Wood; Fiberglass Insulations; Membrane Roofing & Insulation; and Glass)	<b>No Detect (N/D)</b> for Leachable Lead Content
17-032.1-TCLP3	Northeast 3-Story Building Area - Lead Containing Demolitions Waste Stream: (Painted CMU; Painted & Unpainted Brick & Mortar; Painted Ceiling Tile; Painted Sheetrock; Fiberglass Insulation; Carpet; Vinyl Floors & Cove Base; Unpainted Wood Framing; Varnished Wood; Concrete; Membrane Roofing & Insulation; and Glass)	<b>No Detect (N/D)</b> for Leachable Lead Content

The Federal and State TCLP disposal threshold for bulk building components is 5 ppm. The lead containing building component waste streams that will be generated by the demolition of the **Former YWCA Building Facility**, are classified as Category I Low Lead Wastes and can be disposed of in a landfill that accepts standard construction debris as per the requirements of 40 CFR Part 261 and WAC 173-303-110(5) for the determination of lead leach waste characterization. All non-recyclable building components anticipated to be impacted by the scheduled demolition project were included in the Bulk Coatings/TCLP sampling scheme for this project.

## 4.0 RECOMMENDATIONS

Any material or coating identified as containing lead at concentrations greater than 100 ppm (*parts per million*) from bulk analysis associated with this project are regulated by Federal and/or Washington State regulations. Explanations of regulations are detailed as follows:

The Occupational Safety and Health Administration (*OSHA*) 29 CFR 1926.62 and the Washington State Industrial Safety and Health Administration (*WISHA*) WAC 296-155 lead in construction standards do not define by regulation a definition for LBP, but do establish safe airborne exposure limits for employees working with lead containing materials to include paint films by PEL (*permissible exposure limit*). The current PEL for airborne lead is 50 ug/m<sup>3</sup> (*micrograms per cubic meter*) and the current action limit (*AL*) is 30 ug/m<sup>3</sup>.

If any material contains lead above 100 ppm by Flame Atomic Absorption (*FAA*) analysis or assumed lead containing then abatement, renovation or demolition contractors must demonstrate worker health and safety due diligence and lead safe work practices.

This would include lead in construction awareness training for all affected employees, establishing the use of proper employee personnel protective equipment (*PPE*), proper demarcation of effected demolition work areas and the performance of exposure assessment (*EA*) lead air monitoring prior to the downgrading any established/utilized PPE.

TCLP sampling has been conducted for the anticipated lead containing demolition waste streams for the Former YWCA Building Facility associated with this project and can be disposed of as standard construction debris.

## 5.0 HEALTH EFFECTS OF LEAD EXPOSURE

**For information concerning lead based paint and the health effects of lead, contact the National Lead Information Clearing House at 1-800-424-Lead.**

Lead can be absorbed into the body by inhalation (breathing) and ingestion (eating or drinking). Inhaling or ingesting even small amounts of lead can be harmful. Lead poisoning can occur at high exposure concentrations (acute) or at low exposure concentrations over a long period of time (chronic) and can cause either temporary or permanent damage.

Lead is a poison that accumulates in the blood, bones, and organs, including the kidneys, brain, and liver. It stays in the bones for decades and may be released slowly over time to cause toxic effects. An increasing blood-lead level usually means that there has been recent exposure and that lead is building up in the body faster than it is being eliminated. The early effects of lead poisoning are not specific and resemble flu-like illnesses.

Cumulative exposure to lead, which is typical in home settings, may result in damage to the blood, nervous system, kidneys, bones, heart, and reproductive system and contributes to high blood pressure. **It is especially toxic to young children and women of childbearing age.**

The symptoms of lead poisoning include the following:

- Headache
- Poor appetite
- Dizziness
- Irritability or anxiety
- Constipation
- Pallor
- Excessive tiredness
- Numbness
- Metallic taste in the mouth
- Muscle or joint pain or soreness
- Sleeplessness
- Hyperactivity
- Weakness
- Reproductive difficulties
- Nausea
- Fine tremors
- Insomnia
- “Lead line” on the gums
- “Wrist drop” [muscle weakness]



## STATEMENT OF PROFESSIONALISM

Mountain Consulting Services, hereby certify that, to the best of our knowledge and ability, the **Pre-Demolition “Good-Faith” Lead Coatings Survey** conducted for the suspect lead based paints and lead glazed ceramic tile materials that comprise the **Former YWCA Facility** addressed at 829 West Broadway Avenue in Spokane, Washington, reflects an analytical accurate level of lead content for the identified coatings/materials included for testing associated with this project.

  
\_\_\_\_\_

David A. Jones.

Washington State Lead Risk Assessor

Certificate: 0567

Expiration: February 6, 2019

March 27<sup>th</sup> of 2017

Date

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**SECTION 4**  
**OTHER POTENTIALLY HAZARDOUS**  
**MATERIALS INVESTIGATION**

## OTHER POTENTIALLY HAZARDOUS MATERIALS INVESTIGATION

## TABLE OF CONTENTS

<b>1.0 INTRODUCTION.....</b>	<b>1</b>
<b>2.0 HAZARDOUS MATERIALS INVESTIGATION.....</b>	<b>1</b>
2.1 INVESTIGATION.....	1
2.2 OBSERVATIONS & FINDINGS OF HAZARDOUS MATERIAL CONDITIONS .....	2

## APPENDICES

- A: Certifications & Accreditations
- B: Asbestos Bulk Sample Analysis Report
- C: Asbestos Bulk Sample Location Drawings
- D: Lead Bulk Coating & TCLP Sample Analysis Reports
- E: Lead Bulk Sample Location Drawings
- F: Project Photographs

# **PRE-DEMOLITION REGULATED & HAZARDOUS MATERIALS SURVEY; FORMER YWCA FACILITY; 829 W. BROADWAY AVENUE; SPOKANE, WA**

## **OTHER POTENTIALLY HAZARDOUS MATERIALS INVESTIGATION REPORT**

### **1.0 INTRODUCTION**

Mr. Steve Wilson representing The Falls, LLC contracted Mountain Consulting Services (*Mountain Consulting*) to conduct an **Investigation for Other Potentially Hazardous Materials** that could be present with the Former YWCA Facility addressed at 829 West Broadway Avenue in Spokane, Washington.

This project was conducted to facilitate the total demolition of the former YWCA Building facility. No prior survey documentation was provided or utilized during this survey project.

Mr. Samuel W. Bailey Jr., Mountain Consulting, Hazardous Waste Operations & Emergency Response certified project manager, conducted a field survey of the facility on February 28<sup>th</sup> and March 1<sup>st</sup> of 2017 for this project. (*See Appendix A for inspector certification.*)

### **2.0 HAZARDOUS MATERIALS INVESTIGATION**

Mountain Consulting performed the limited Hazardous Material Investigation/Survey of the Former YWCA Facility by conducting a visual inventory and where necessary sampling of suspect materials for positive identification of hazardous components.

#### **2.1 INVESTIGATION**

Mountain Consulting performed an investigation throughout the interior and exterior of the Former YWCA Facility included for total demolition to determine the presence of any other potentially hazardous materials or hazardous conditions present with the facility.

The investigation targeted the following potential hazardous building components:

- Electrical Lighting (*elements/ballasts*)
- Polychlorinated Biphenyls (PCB's) (*transformers/ballasts*)
- Ozone Depleting Substances
- Mercury Containing Components
- Fuel Storage Tanks (*Above and Underground Tanks*)
- Radioactive Materials
- Other Biological Hazards (*Mold, Fungi, Bacteria*)

## 2.2 OBSERVATIONS

### LIGHTING OBSERVATIONS

The visual inspection / inventory of electrical lighting components present with the facility are detailed in the following table by area reference name:

<i>Building or Area</i>	<i>Florescent Tubes by Length</i>	<i>Lighting Ballasts</i>	<i>Compact Florescent Bulbs</i>	<i>Low Sodium &amp; Metal Halide Bulbs</i>	<i>Back-up Lighting Lead Acid Batteries</i>
1965 W. Pool/Gym Addition (Bsm't, 1 <sup>st</sup> & 2 <sup>nd</sup> Floors)	363 / 4' 4 / 8'	218	4	24	12
Central Core & SE 2 Story Building Area	48 / 2' 297 / 4'	177	-	-	4
NE 3 Story Building Area	718 / 4' 2 / 8'	360	29	-	13
Entire Facility Exterior	-	-	-	7	-
<b>TOTALS</b>	48 ea. / 2' 1,378 ea. / 4' 6 ea. / 8'	755 ea.	33 ea.	31 ea.	29 ea.

### LIGHTING FINDINGS AND RECOMMENDATIONS

- Fluorescent Light Tubes** were identified throughout the facility within sheet-metal light fixtures. All visually inspected fluorescent light elements were a combination of either environmentally friendly tubes (*indicated by either green end caps or green printed manufacture labeling on the tube*) or were assumed to be mercury vapor containing (*indicated by the large diameter size of the tube and no green labeling*). The US Environmental Protection Agency (EPA) has determined that older style fluorescent lighting elements must be assumed to contain mercury vapor. The EPA has also determined that newer environmentally friendly fluorescent elements still contain low amounts of mercury vapor and in large quantities may not be disposed of as standard construction debris. There are combined 6 each (8'tubes); 1,378 each (4'tubes); and 48 each (2'tubes) present throughout the facility. The light elements must be collected for reuse, proper recycling or for proper disposal as hazardous waste, prior to building demolition.
- High Intensity Light Bulbs** (*Low Sodium & Metal Halide Types*) were identified with limited interior and exterior building lighting associated with the facility. The EPA has determined that High Intensity Lamps and Low Mercury Lamps that are not recycled must be treated as hazardous waste. There are 31 individual bulbs present with the facility. The light elements must be collected for reuse, proper recycling or for proper disposal as hazardous waste, prior to building demolition.

- **Compact Fluorescent light bulbs** were identified with limited select interior areas of the facility within sheet metal light fixtures. The EPA has determined that Compact Fluorescent Light Elements that are not recycled must be treated as hazardous waste. There are 33 individual CFL Bulbs present. The light elements must be collected for reuse, proper recycling or for proper disposal as hazardous waste, prior to building demolition.
- **Assumed PCBs (*Polychlorinated Biphenyls*) Containing Start-up Lighting Ballasts & “No-PCBs” Labeled Start-up Lighting Ballasts** were both identified to be present with the fluorescent lighting fixtures throughout the facility. The visually inspected fluorescent lighting ballasts were either identified with no labeling (*that must be assumed to contain PCB oils*) or were identified with labeling that stated “No-PCBs”. It should be noted that PCB-Free electrical lighting start-up ballasts still contain dielectric cooling oils and in large quantities may not be disposed of as standard construction debris. There are combined 755 individual lighting ballasts present with the facility. The lighting ballasts must be collected for reuse or sorted by type (*PCB Containing or PCB-Free*) for proper recycling or disposal as hazardous waste prior to building demolition.
- **Lead Acid Batteries** were identified within wall mounted emergency lighting units throughout the facility as well as some replacement batteries were identified present in the NE 3-Story building area maintenance room. There are 29 emergency lighting units present and 6 stored lead acid batteries present with the facility. The batteries must be collected for reuse, proper recycling or disposed of as hazardous waste, prior to building demolition.

#### OTHER POTENTIALLY HAZARDOUS MATERIALS OBSERVATIONS

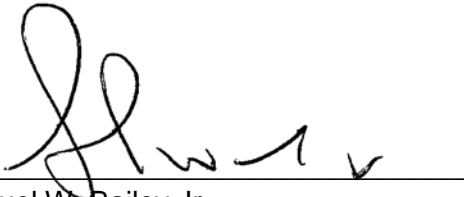
- **Ozone Depleting Substances (*refrigerant compounds*)** are assumed to be present with the 10 individual window mounted air-conditioning units located throughout the 3<sup>rd</sup> floor of the NE 3-story building portion, as well as the 4 individual (two-part) air conditions units located with the central core banquet rooms area of the facility. If these units are to be impacted by demolition operations, their contained refrigerant compounds must be reclaimed by a certified HVAC contractor, prior to disposal or recycling of the units.
- **Mercury Liquid Containing Glass Vial “Rocker-Type” Switches** were identified inside the controller boxes present with the Two (2) Boilers associated with basement mechanical room of the facility. There are approximately 2 glass vial tilt switches present with the boilers included for survey (*1 rocker switches for each boiler*). The boiler switch boxes can either be reused or the mercury switches must be collected for proper recycling or properly disposed of as hazardous waste, prior to impacting by renovation.
- **Hydraulic Waste Oil** was identified present with the hydraulic elevator mechanical system present with NE 3-Story Building area of the facility. The elevators hydraulic actuator & storage tank oil must be reclaimed for proper recycling or for disposal as hazardous waste prior to impacting by building demolition.

- **Waste Oil Heating Furnace & 2 each 265 Gallon Waste Oil Tanks System** was identified present with the 1<sup>st</sup> floor gymnasium and adjacent store room area of the facility. Mountain Consulting is under the impression that this heating system is owned and operated by the current rental tenant (*Spokane Kendo & Iaido Club*). If this heating system will remain with the facility and be included with the demolitions project, the waste oil must be reclaimed for proper recycling or for disposal as hazardous waste prior to impacting by building demolition.
- **Stored Bags of Aluminum Sulfate, Hydrate Chemicals (*Dry Sulfuric Acid*)** were identified in the eastern portion of the basement mechanical room area of the West Side Pool/Gym building addition of the facility. The chemical bags are in a poor state of condition broken open or slightly moisture impacted and contaminating the localized surrounding limited floor-storage shelf area. The stored sulfuric acid (*dry powder form*) must be properly contained, the affected contaminated building area cleaned-up and neutralized prior to recycling or disposal as hazardous waste prior to impacting by demolition.
- No Above Ground or Underground Fuel Storage Tanks (*ASTs/USTs*) were identified to be present with the mechanical room(s) or associated exterior areas of the facility.
- No Radioactive Materials were visibly identified to be present with smoke detectors systems associated with the facility.
- No Hazardous Biological Contamination or indications of fungal, bacteria or biological contamination was observed with this facility.

## STATEMENT OF PROFESSIONALISM

The visual observations and findings for other potentially hazardous materials or materials conditions present with the Former YWCA Building Facility were performed by Mr. Samuel W. Bailey Jr., Operations Manager of Mountain Consulting and HAZWOPER certified employee. This project was conducted and developed using generally accepted practices performed by professionals working in the field of Industrial Hygiene.

The information contained within this report was compiled without collusion of other parties associated with this project and are true and correct to the best of my professional ability.



Samuel W. Bailey Jr.  
Operations Manager  
HAZWOPER Accreditation  
BAILESW336DM

March 27<sup>th</sup> of 2017  
Date

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## **APPENDIX A CERTIFICATIONS & ACCREDITATIONS**



KYRON

# Certificate of Completion

*Jadd A. Lewis*

has successfully completed

## 4-Hr AHERA Certified Building Inspector Refresher Training

In compliance with TSCA Title II AHERA 40 CFR Part 763

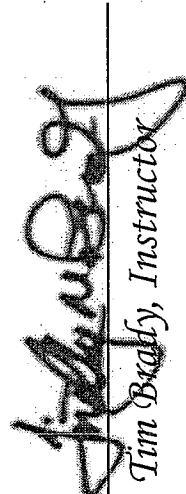
US EPA Region 10 RGA Accreditation #792

Date of Training: September 16, 2016 in Spokane, WA

Certificate # BIR20160916-03



a TERRACON COMPANY  
3317 3rd Avenue S, Suite D | Seattle, WA 98134



Tim Brady, Instructor

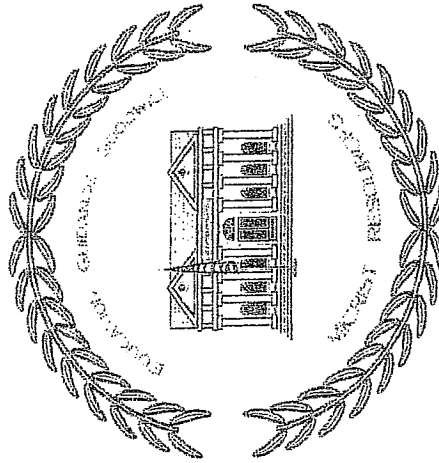
Expires: 09/16/2017

10111 East Century, Suite 210 | Spokane, Washington 99201 | PHONE 509.252.8880 | FAX 509.252.8877 | WEB kyronhs.com

# MICRIST ENVIRONMENTAL RESOURCE

*Recognizes*

*Todd A. Lewis*



Michael D. Thomas - Administrator

Michael D. Thomas - Instructor

*In Successful Course Completion of*

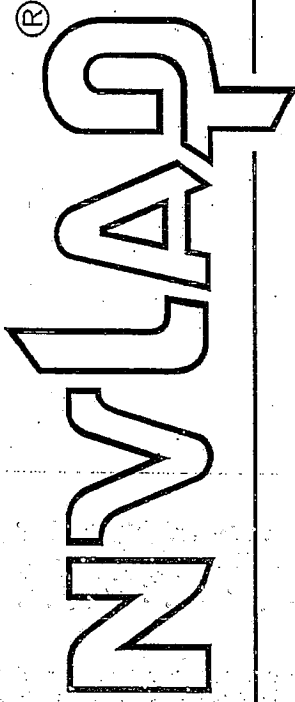
**EPA AHERA Building Inspector Training**

In Accordance with TSCA Title II Dates of Training: January 21-23, 2008 in Post Falls, ID

Certification Valid through January 23, 2009 Certification Number: BI-08-001 Date of Examination: January 23, 2008

MICRIST ENVIRONMENTAL 7045 East Grella Avenue, Post Falls, Idaho 83854 (208) 818-0455

United States Department of Commerce  
National Institute of Standards and Technology



# Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101890-0

**Mountain Laboratories**  
Spokane Valley, WA

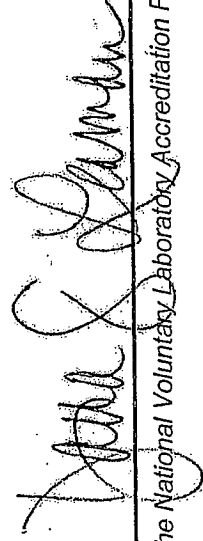
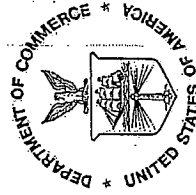
is accredited by the *National Voluntary Laboratory Accreditation Program* for specific services,  
listed on the Scope of Accreditation, for:

**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 Communiqué dated January 2009).*

2016-10-01 through 2017-09-30

Effective Dates



For the National Voluntary Laboratory Accreditation Program

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

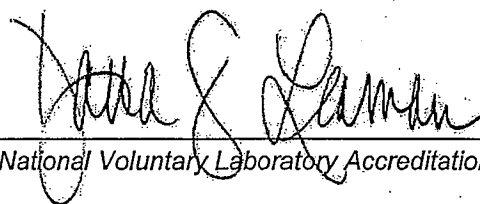
**Mountain Laboratories**  
9922 East Montgomery, Suite 13  
Spokane Valley, WA 99206  
Ms. Heidi L. McCarthy  
Phone: 509-922-1365 Fax: 509-922-1380  
Email: heidi@mountainlaboratories.com

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 101890-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program



# STATE OF WASHINGTON

## **Department of Commerce** Lead-Based Paint Program

**David A. Jones**

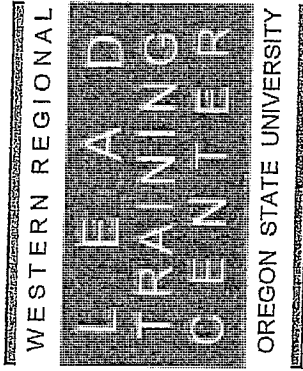
*Has fulfilled the certification requirements of Washington Administrative code (WAC) 365-230 and has been certified to conduct lead-based paint activities pursuant to WAC 365-230-200 as a:*

### **Risk Assessor**

<u>Certification #</u>	<u>Issuance Date</u>	<u>Expiration Date</u>
0567	1/4/2016	2/16/2019

**Oregon State University**  
**Western Regional Lead Training Center**  
Department of Civil, Construction, and Environmental Engineering  
220 Owen Hall, Corvallis, OR 97331-2302 Ph. (541) 737-6839  
in recognition that

*David Jones*



MCS Environmental  
2205 N. Woodruff, Suite 3  
Spokane Valley, WA 99206

Has completed EPA-Accredited

**Lead Risk**

**Assessor Training**

16 training hours  
September 21-22, 2006

*Peter O. Nelson*

Certificate Number: 3863

Date of Examination: 09/22/06

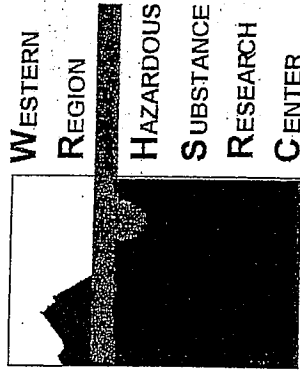
Passed Final Exam

Peter O. Nelson, Ph.D.

Program Director

Date of Issuance: 09/22/06

Date of Expiration: 03/22/07



# Oregon State University

## Western Regional Lead Training Center

Department of Civil, Construction, and Environmental Engineering  
220 Owen Hall, Corvallis, OR 97331-2302 Ph. (541) 737-6839

in recognition that

*David Jones*

MCS Environmental  
2205 N. Woodruff, Suite 3  
Spokane Valley, WA 99206

Has completed EPA-Accredited

## Lead Inspector Training

24 training hours  
September 18-20, 2006

*Peter O. Nelson*

Peter O. Nelson, Ph.D.  
Program Director

Certificate Number: 3845

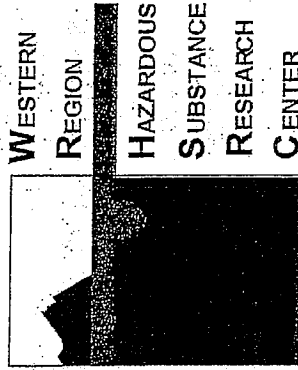
Date of Examination: 09/20/06

Passed Final Exam

WESTERN REGIONAL

LEAD  
TRAINING  
CENTER

OREGON STATE UNIVERSITY



Date of Issuance: 09/20/06  
Date of Expiration: 03/20/07





# **STATE OF WASHINGTON**

## **Department of Commerce** Lead-Based Paint Program

### **Mountain Consulting Services LLC**

*Has fulfilled the certification requirements of Washington Administrative code (WAC) 365-230 and has been certified to conduct lead-based paint activities pursuant to WAC 365-230-200.*

#### **Certification #**

0167

#### **Issuance Date**

4/7/2016

#### **Expiration Date**

4/2/2019





## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

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: September 01, 2018 |
| ✓ ENVIRONMENTAL LEAD                   | Accreditation Expires: September 01, 2018 |
| ✓ ENVIRONMENTAL MICROBIOLOGY           | Accreditation Expires: September 01, 2018 |
| <input type="checkbox"/> FOOD          | Accreditation Expires:                    |
| <input type="checkbox"/> UNIQUE SCOPES | 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](http://www.aihaaccreditedlabs.org)) for the most current Scope.

*William Walsh, CIH*  
Chairperson, Analytical Accreditation Board

*Cheryl O. Morton*  
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 08/31/2016



## AIHA Laboratory Accreditation Programs, LLC

### SCOPE OF ACCREDITATION

#### **EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**

Issue Date: 08/31/2016

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

#### **Environmental Lead Laboratory Accreditation Program (ELLAP)**

**Initial Accreditation Date: 01/18/1995**

<b>Field of Testing (FoT)</b>	<b>Technology sub-type/ Detector</b>	<b>Method</b>	<b>Method Description (for internal methods only)</b>
<b>Paint</b>		EPA SW-846 3050B	
		EPA SW-846 7000B	
<b>Soil</b>		EPA SW-846 3050B	
		EPA SW-846 7000B	
<b>Settled Dust by Wipe</b>		EPA SW-846 3050B	
		EPA SW-846 7000B	
<b>Airborne Dust</b>		NIOSH 7082	
<b>Composited Wipes</b>		EPA SW-846 3050B	
		EPA SW-846 7000B	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

The State of  
Department



Washington  
of Ecology

Anatek Labs, Inc. - Spokane  
Spokane, WA

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective November 16, 2016 and shall expire November 15, 2017.

Witnessed under my hand on November 22, 2016

Alan D. Rue  
Lab Accreditation Unit Supervisor

Laboratory ID  
C585

This certificate verifies that

## Samuel W Bailey Jr

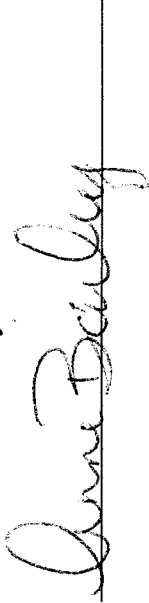
has successfully completed an 8-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) Refresher Training Course in accordance with OSHA 1910.120 and WAC 296-843.

Training Date: February 22, 2017

Expiration Date: February 22, 2018

Training Location: North Idaho College  
Post Falls Campus  
Post Falls, ID

Instructor: Anne M. Bailey

Instructor Signature: 

Student ID#: BAILESW336DM

Course ID#: 160222-010



# Regulatory Compliance Services 40 Hr. "HAZWOPER" TRAINING

*Certifies that*

**Samuel W. Bailey, Jr.**

Has successfully completed a Forty Hour Hazardous Waste Operations and Emergency Response Course to Level "C" based on 29 CFR 1910.120, Off-Site HAZCOM based on 29 CFR 1910.1200, And D.O.T Hazardous Materials Handlers based on 49 CFR 171-172.  
*presented by*

**Regulatory Compliance Services  
for**

**Washington Department of Corrections  
Spokane, WA**

**December 1 - 5, 1997**

13012 S.E. 170th Pl.  
Renton, WA 98058



*William Glaeser, PhD, CET*

**APPENDIX B  
ASBESTOS BULK SAMPLES  
ANALYSIS REPORT**



9922 East Montgomery Suite 13  
Spokane Valley, WA 99206  
(509) 922-1365 • Fax (509) 922-1380



NVLAP LAB CODE 101890-0

**March 17, 2017**

**Mountain Consulting Services, LLC  
Todd Lewis  
9922 E. Montgomery Avenue, Suite 9  
Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.  
Project #: 17-032.1**

Dear Mr. Lewis,

The enclosed report details results for the analysis of the bulk sample(s) submitted to Mountain Laboratories on March 6, 2017. Sample analysis was performed to determine asbestos type and content using Polarized Light Microscopy, supplemented by Dispersion Staining (PLM/DS).

This report includes a summary of the analytical results and chain of custody. Analytical results are only reflective of the samples, which were tested and presented in this report. Mountain Laboratories limits warranty to proper analysis methods and takes no responsibility for sample procurement.

It has been our pleasure providing you with these analytical services. If you have any questions regarding this report, please do not hesitate to call us at (509) 922-1365.

Sincerely,

Heidi L. McCarthy  
Laboratory Manager  
Mountain Laboratories  
Mountain Laboratories NW, Inc.

Enclosure: 1023.8778.9074



# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8778	B17-8779	B17-8780
Sample ID No.	17-032.1-01	17-032.1-02	17-032.1-03
Sample Description	Ceramic Tile & Grout	Ceramic Tile & Grout	Ceramic Tile w/Grout
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Tan/White/Gray	Tan/White/Gray	Green/White/Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.	Ceramic Tile N.D.	Ceramic Tile N.D.
1. Chrysotile	Grout N.D.	Grout N.D.	Grout N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%
	Grout: Aggregate 45%	Grout: Aggregate 45%	Grout: Aggregate 45%
	Quartz 20%	Quartz 20%	Quartz 20%
	Mica <1%	Mica <1%	Mica <1%
	Other 34%	Other 34%	Other 34%

Date Analyzed: March 9, 2017

Analyzed By: Lisa Meade

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Customer #: 1023

Laboratory No.	B17-8781	B17-8782	B17-8783
Sample ID No.	17-032.1-04	17-032.1-05	17-032.1-06
Sample Description	Ceramic Tile w/Grout	VFT w/ Mastic	VFT w/ Mastic
Sample Treatment	Teased/Crushed	Teased/Crushed Heated	
Homogeneous	Yes	No	
Layered	No	Yes	
Fibrous	No	Yes	
Sample Color	Green/White/Grey	Off White/Black	
Asbestos Present	No	Yes	
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Ceramic Tile N.D.  Grout N.D.	Floor Tile: Chrysotile 2-3%  Black Mastic: Chrysotile 5-7%	Not analyzed as per Customer.
Total % Asbestos	None		
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%  Grout: Aggregate 45% Quartz 20% Mica <1% Other 34%	Floor Tile: Binder/Filler 45% Vinyl 52-53%  Black Mastic: Other 93-95%	

Date Analyzed: March 9, 2017

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8784	B17-11546	B17-8785
Sample ID No.	17-032.1-07	17-032.1-07-A	17-032.1-08
Sample Description	VFT w/ ADH	Sub Sample of 17-032.1-07 Gray Paper & Gold Mastic	VFT w/ ADH
Sample Treatment	Teased/Crushed Heated	Teased/Heated	Teased/Crushed Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	Yes	No
Sample Color	Off White/Gray Clear Gold	Gray	Off White/Gray Clear Gold
Asbestos Present	No	Yes	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Floor Tile N.D.  Clear Gold Mastic N.D.	Gray Paper: Chrysotile 40-45%	Floor Tile N.D.  Clear Gold Mastic N.D.
Total % Asbestos	None	40-45%	None
Other Fibrous Material In Sample		Cellulose 30-35%	
Non-Fibrous Material:	Floor Tile: Binder/Filler 45% Vinyl 55%  Clear Gold Mastic: Other 100%	Binder/Filler 25%  <b>Gold Mastic not analyzed; embedded in ACM Gray Paper.</b>	Floor Tile: Binder/Filler 45% Vinyl 55%  Clear Gold Mastic: Other 100%

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**Project #: 17-032.1**

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Customer #: 1023

Laboratory No.	B17-8786	B17-11547	B17-8787
Sample ID No.	17-032.1-09	17-032.1-09-A	17-032.1-10
Sample Description	VSF w/ Mastic	Sub Sample of 17-032.1-09 Gray Paper & Gold Mastic	VSF w/ Mastic
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Green/Black White/Gold	Gray	Green/Black White/Gold
Asbestos Present	No	Yes	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Sheet Vinyl N.D.  Gold Mastic N.D.	Gray Paper: Chrysotile 40-45%	Sheet Vinyl N.D.  Gold Mastic N.D.
Total % Asbestos	None	40-45%	None
Other Fibrous Material In Sample	Sheet Vinyl: Glass Fibers 5%	Cellulose 30-35%	Sheet Vinyl: Glass Fibers 5%
Non-Fibrous Material:	Sheet Vinyl: Binder/Filler 10% Vinyl 85%  Gold Mastic: Other 100%	Binder/Filler 25%  <b>Gold Mastic not analyzed; embedded in ACM Gray Paper.</b>	Sheet Vinyl: Binder/Filler 10% Vinyl 85%  Gold Mastic: Other 100%

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**Project #: 17-032.1**

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Customer #: 1023

Laboratory No.	B17-8788	B17-8789	B17-8790
Sample ID No.	17-032.1-11	17-032.1-12	17-032.1-13
Sample Description	VCB w/ ADH	VCB w/ ADH	Ceramic Tile w/ Grout
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Gray/Off White	Gray/Off White	Pale Green/Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage	Cove Base N.D.	Cove Base N.D.	Ceramic Tile N.D.
1. Chrysotile	Off White Mastic N.D.	Off White Mastic N.D.	Gray Layer N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Cove Base: Binder/Filler 30% Vinyl 70%  Off White Mastic: Other 100%	Cove Base: Binder/Filler 30% Vinyl 70%  Off White Mastic: Other 100%	Ceramic Tile: Other 100%  Gray Layer: Other 100%

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**Project #: 17-032.1**

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Customer #: 1023

Laboratory No.	B17-8791	B17-8792	B17-8793
Sample ID No.	17-032.1-14	17-032.1-15	17-032.1-16
Sample Description	Ceramic Tile w/ Grout	Ceramic Tile w/ Grout	Ceramic Tile w/ Grout
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Pale Green/Gray	Green/White Black/Gray	Green/White Black/Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.	Ceramic Tile N.D.	Ceramic Tile N.D.
1. Chrysotile	Gray Layer N.D.	Grout N.D.	Grout N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%
	Gray Layer: Other 100%	Grout: Aggregate 45% Quartz 20% Mica <1% Other 34%	Grout: Aggregate 45% Quartz 20% Mica <1% Other 34%

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Customer #: 1023

Laboratory No.	B17-8794	B17-8795	B17-8796
Sample ID No.	17-032.1-17	17-032.1-18	17-032.1-19
Sample Description	Silicon	Silicon	Ceramic Tile w/ Grout
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Crushed
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	No	No	No
Sample Color	White	White	White/Off White Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Ceramic Tile N.D.  Grout N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Other 100%	Ceramic Tile: Other 100%  Grout: Aggregate 40% Quartz 15% Mica <1% Other 44%

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Customer #: 1023

Laboratory No.	B17-8797	B17-8798	B17-8799
Sample ID No.	17-032.1-20	17-032.1-21	17-032.1-22
Sample Description	Ceramic Tile w/ Grout	VCB w/ ADH	VCB w/ ADH
Sample Treatment	Teased/Crushed	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	White/Off White Gray	Beige/Off White	Beige/Off White
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.	Cove Base N.D.	Cove Base N.D.
1. Chrysotile	Grout N.D.	Off White Mastic N.D.	Off White Mastic N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%  Grout: Aggregate 40% Quartz 15% Mica <1% Other 44%	Cove Base: Binder/Filler 40% Vinyl 60%  Off White Mastic: Other 100%	Cove Base: Binder/Filler 40% Vinyl 60%  Off White Mastic: Other 100%

Date Analyzed: March 9 & 14, 2017

Analyzed By: Lisa Meade

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Customer #: 1023

Laboratory No.	B17-8800	B17-8801	B17-8802
Sample ID No.	17-032.1-23	17-032.1-24	17-032.1-25
Sample Description	Wood Floor w/Adhesive	Wood Floor w/Adhesive	VCB w/Adhesive
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	No
Sample Color	Tan/Brown	Tan/Brown	Black/Off White
Asbestos Present	No	No	No
Asbestos Type and Percentage	Floor N.D.	Floor N.D.	Cove Base N.D.
1. Chrysotile	Brown Mastic N.D.	Brown Mastic N.D.	Off White Mastic N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Floor: Wood 100%	Floor: Wood 100%	
Non-Fibrous Material:	Brown Mastic: Other 100%	Brown Mastic: Other 100%	Cove Base: Binder/Filler 35% Vinyl 65%  Off White Mastic: Other 100%

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Customer #: 1023

Laboratory No.	B17-8803	B17-8804	B17-8805
Sample ID No.	17-032.1-26	17-032.1-27	17-032.1-28
Sample Description	VCB w/Adhesive	Skim Coat	Skim Coat
Sample Treatment	Teased/Heated	Teased/Crushed	Teased/Crushed
Homogeneous	No	Yes	Yes
Layered	Yes	No	No
Fibrous	No	No	No
Sample Color	Black/Off White	Light Gray/Yellow	White/Yellow
Asbestos Present	No	No	No
Asbestos Type and Percentage	Cove Base N.D.	N.D.	N.D.
1. Chrysotile	Off White Mastic N.D.		
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Cove Base: Binder/Filler 35% Vinyl 65%  Off White Mastic: Other 100%	Aggregate 40% Quartz 15% Mica <1% Other 44%	Aggregate <1% Quartz 45% Mica <1% Other 53%

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Customer #: 1023

Laboratory No.	B17-8806	B17-8807	B17-8808
Sample ID No.	17-032.1-29	17-032.1-30	17-032.1-31
Sample Description	Skim Coat	Skim Coat	Skim Coat
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	White/Yellow	White/Yellow	Light Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Aggregate <1% Quartz 45% Mica <1% Other 53%	Aggregate <1% Quartz 45% Mica <1% Other 53%	Aggregate 40% Quartz 15% Mica <1% Other 44%

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Customer #: 1023

Laboratory No.	B17-8809	B17-8810	B17-8811
Sample ID No.	17-032.1-32	17-032.1-33	17-032.1-34
Sample Description	Skim Coat	Skim Coat	CMU Brick Mortar
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Gray/White	Gray/White	Blue/Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Aggregate <1% Quartz 45% Mica <1% Other 52% Paint <1% Other 100%	Aggregate <1% Quartz 45% Mica <1% Other 52% Paint <1% Other 100%	Aggregate 45% Quartz 15% Mica <1% Other 38% Paint <1% Other 100%

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Customer #: 1023

Laboratory No.	B17-8812	B17-8813	B17-8814
Sample ID No.	17-032.1-35	17-032.1-36	17-032.1-37
Sample Description	CMU Brick Mortar	VCB w/Adhesive	VCB w/Adhesive
Sample Treatment	Teased/Crushed Dissolved	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Blue/Gray	Black/Off White	Black/Off White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Cove Base N.D.  Off White Mastic N.D.	Cove Base N.D.  Off White Mastic N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Aggregate 45% Quartz 15% Mica <1% Other 38% Paint <1% Other 100%	Cove Base: Binder/Filler 40% Vinyl 60%  Off White Mastic: Other 100%	Cove Base: Binder/Filler 40% Vinyl 60%  Off White Mastic: Other 100%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8815	B17-8816	B17-8817
Sample ID No.	17-032.1-38	17-032.1-39	17-032.1-40
Sample Description	Texture	Texture	Texture
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Blue/White	Blue/White	Blue/White
Asbestos Present	No	No	No
Asbestos Type and Percentage	Blue Layer N.D.  White Layer N.D.	Blue Layer N.D.  White Layer N.D.	Blue Layer N.D.  White Layer N.D.
1. Chrysotile			
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Blue Layer: Quartz 65% Paint 35% Other 100%  White Layer: Gypsum 100%	Blue Layer: Quartz 65% Paint 35% Other 100%  White Layer: Gypsum 100%	Blue Layer: Quartz 65% Paint 35% Other 100%  White Layer: Gypsum 100%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8818	B17-11548	B17-11549
Sample ID No.	17-032.1-41	17-032.1-41-A	17-032.1-41-B
Sample Description	Drywall/Joint Compound Composite	Sub Sample of 17-032.1-41 Top Layer	Sub Sample of 17-032.1-41 Composite
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	Yes	No
Layered	Yes	No	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Brown/White	Tan	Brown/White/Tan
Asbestos Present	No	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Sheetrock N.D.	Top Layer: Chrysotile 1-2%	Sheetrock N.D.  Top Layer: Chrysotile 1-2%
Total % Asbestos	None	1-2%	<1%*
Other Fibrous Material In Sample	Cellulose 5% Glass Fibers 2%		Sheetrock: Cellulose 5% Glass Fibers 2%
Non-Fibrous Material:	Binder/Filler 3% Gypsum 90%	Gypsum 98-99%	Sheetrock: Binder/Filler 3% Gypsum 90%  Top Layer: Gypsum 98-99%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

**\*As a Composite, this sample contains <1% Chrysotile Asbestos.**

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8819	B17-111550	B17-11551
Sample ID No.	17-032.1-42	17-032.1-42-A	17-032.1-42-B
Sample Description	Drywall/Joint Compound Composite	Sub Sample of 17-032.1-42 Top Layer	Sub Sample of 17-032.1-42 Composite
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	Yes	No
Layered	Yes	No	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Brown/White	Tan	Brown/White/Tan
Asbestos Present	No	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Sheetrock N.D.	Top Layer: Chrysotile 1-2%	Sheetrock N.D.  Top Layer: Chrysotile 1-2%
Total % Asbestos	None	1-2%	<1%*
Other Fibrous Material In Sample	Cellulose 5% Glass Fibers 2%		Sheetrock: Cellulose 5% Glass Fibers 2%
Non-Fibrous Material:	Binder/Filler 3% Gypsum 90%	Gypsum 98-99%	Sheetrock: Binder/Filler 3% Gypsum 90%  Top Layer: Gypsum 98-99%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

**\*As a Composite, this sample contains <1% Chrysotile Asbestos.**

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8820	B17-8821	B17-8822
Sample ID No.	17-032.1-43	17-032.1-44	17-032.1-45
Sample Description	Plaster	Plaster	Plaster
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	Gray	Gray	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Aggregate 40% Quartz 20% Mica <1% Plaster 39%	Aggregate 40% Quartz 20% Mica <1% Plaster 39%	Aggregate 40% Quartz 20% Mica <1% Plaster 39%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8823	B17-8824	B17-8825
Sample ID No.	17-032.1-46	17-032.1-47	17-032.1-48
Sample Description	Ceramic Tile w/Adhesive	Ceramic Tile w/Adhesive	VSF w/Adhesive
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	Yes
Sample Color	Yellow/White/Gold	Yellow/White/Gold	Off White/Gold
Asbestos Present	No	No	Yes
Asbestos Type and Percentage	Ceramic Tile N.D.	Ceramic Tile N.D.	Backing Only: Chrysotile 40-45%
1. Chrysotile	Grout N.D.	Grout N.D.	
2. Amosite			
3. Crocidolite	Gold Mastic N.D.	Gold Mastic N.D.	
4. Other			
Total % Asbestos	None	None	20-25%
Other Fibrous Material In Sample			Cellulose 15-20%
Non-Fibrous Material:	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%	Binder/Filler 20% Vinyl 40%
	Grout: Other 100%	Grout: Other 100%	<b>Gold Mastic not analyzed; embedded in ACM Backing.</b>
	Gold Mastic: Other 100%	Gold Mastic: Other 100%	

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8826	B17-8827	B17-8828
Sample ID No.	17-032.1-49	17-032.1-50	17-032.1-51
Sample Description	VSF w/Adhesive	Insulation Backing	Insulation Backing
Sample Treatment		Teased/Heated	Teased/Heated
Homogeneous		No	No
Layered		Yes	Yes
Fibrous		Yes	Yes
Sample Color		Gray/Silver/Clear Gold	Gray/Silver/Clear Gold
Asbestos Present		No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Not analyzed as per Customer.	N.D.	N.D.
Total % Asbestos		None	None
Other Fibrous Material In Sample		Glass Fibers 30%	Glass Fibers 30%
Non-Fibrous Material:		Mastic 5% Foil 65%	Mastic 5% Foil 65%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8829	B17-8830	B17-8831
Sample ID No.	17-032.1-52	17-032.1-53	17-032.1-54
Sample Description	Rubber HVAC Dampener	Rubber HVAC Dampener	Cloth HVAC Dampener
Sample Treatment	Teased/Heated	Teased/Heated	Teased
Homogeneous	Yes	Yes	Woven
Layered	No	No	Woven
Fibrous	Yes	Yes	Yes
Sample Color	Black	Black	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Synthetic 35%	Synthetic 35%	Cellulose 95%
Non-Fibrous Material:	Other 65%	Other 65%	Other 5%

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Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8832	B17-8833	B17-8834
Sample ID No.	17-032.1-55	17-032.1-56	17-032.1-57
Sample Description	Cloth HVAC Dampener	Formica w/ ADH	Formica w/ ADH
Sample Treatment	Teased	Teased/Heated	Teased/Heated
Homogeneous	Woven	No	No
Layered	Woven	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Brown	White/Clear Red	White/Clear Red
Asbestos Present	No	No	No
Asbestos Type and Percentage	N.D.	Formica N.D.	Formica N.D.
1. Chrysotile		Clear Red Mastic N.D.	Clear Red Mastic N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 95%	Formica: Wood 90%	Formica: Wood 90%
Non-Fibrous Material:	Other 5%	Formica: Other 5% Binder/Filler 5%	Formica: Other 5% Binder/Filler 5%
		Clear Red Mastic: Other 100%	Clear Red Mastic: Other 100%

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Customer #: 1023

Laboratory No.	B17-8835	B17-8836	B17-8837
Sample ID No.	17-032.1-58	17-032.1-59	17-032.1-60
Sample Description	Plaster	Plaster	Plaster
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	White	White	White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Aggregate 40% Quartz 20% Mica <1% Plaster 39%	Aggregate 40% Quartz 20% Mica <1% Plaster 39%	Aggregate 40% Quartz 20% Mica <1% Plaster 39%

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Customer #: 1023

Laboratory No.	B17-8838	B17-8839	B17-8840
Sample ID No.	17-032.1-61	17-032.1-62	17-032.1-63
Sample Description	Ceramic Tile w/ Grout	Ceramic Tile w/ Grout	Acoustical Tile
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Green/Off White	Green/Off White	Black/White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Ceramic Tile N.D.  Grout N.D.	Ceramic Tile N.D.  Grout N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%  Grout: Other 100%	Ceramic Tile: Other 100%  Grout: Other 100%	Other 99% Paint <1% Other 100%

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Customer #: 1023

Laboratory No.	B17-8841	B17-8842	B17-8843
Sample ID No.	17-032.1-64	17-032.1-65	17-032.1-66
Sample Description	Acoustical Tile	Adhesive	Adhesive
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Heated	Teased/Crushed Heated
Homogeneous	No	Yes	Yes
Layered	Yes	No	No
Fibrous	No	Yes	Yes
Sample Color	Black/White	Brown	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 99% Paint <1% Other 100%	Other 100%	Other 100%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8844	B17-8845	B17-8846
Sample ID No.	17-032.1-67	17-032.1-68	17-032.1-69
Sample Description	TSI	TSI	TSI
Sample Treatment	Teased/Crushed	Teased/Heated	Teased/Heated
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	White/Yellow	White/Silver Black/Brown/Yellow	White/Silver Black/Brown/Yellow
Asbestos Present	Yes	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Chrysotile 2-3%	Chrysotile 2-3%	Chrysotile 2-3%
Total % Asbestos	2-3%	2-3%	2-3%
Other Fibrous Material In Sample	Mineral Wool 30% Glass Fibers <1%	Cellulose 20% Mineral Wool 15%	Cellulose 30% Mineral Wool 15%
Non-Fibrous Material:	Other 66-67%	Other 60-61% Foil <1% Mastic <1%	Other 50-51% Foil <1% Mastic <1%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8847	B17-8848	B17-8849
Sample ID No.	17-032.1-70	17-032.1-71	17-032.1-72
Sample Description	TSI	TSI	TSI
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	Yes	Yes	Yes
Sample Color	Gray/Beige	Gray/Beige	Gray/Beige
Asbestos Present	Yes	Yes	Yes
Asbestos Type and Percentage	Gray Layer: Chrysotile 2-3%	Gray Layer: Chrysotile 2-3%	Gray Layer: Chrysotile 2-3%
1. Chrysotile			
2. Amosite	Gray & Beige/Layer: Chrysotile 70-75%	Gray & Beige/Layer: Chrysotile 70-75%	Gray & Beige/Layer: Chrysotile 70-75%
3. Crocidolite			
4. Other			
Total % Asbestos			
Other Fibrous Material In Sample	Gray Layer: Mineral Wool 30% Glass Fibers <1%  Gray & Beige Layer: Cellulose 10-15%	Gray Layer: Mineral Wool 30% Glass Fibers <1%  Gray & Beige Layer: Cellulose 10-15%	Gray Layer: Mineral Wool 30% Glass Fibers <1%  Gray & Beige Layer: Cellulose 10-15%
Non-Fibrous Material:	Gray Layer: Other 66-67%  Gray & Beige Layer: Other 5% Binder/Filler 10%	Gray Layer: Other 66-67%  Gray & Beige Layer: Other 5% Binder/Filler 10%	Gray Layer: Other 66-67%  Gray & Beige Layer: Other 5% Binder/Filler 10%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8850	B17-8851	B17-8852
Sample ID No.	17-032.1-73	17-032.1-74	17-032.1-75
Sample Description	TSI	TSI	TSI
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Gray/Yellow/Beige	Gray/Yellow/Beige	Gray/Yellow/Beige
Asbestos Present	Yes	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Chrysotile 2-4%	Chrysotile 2-4%	Chrysotile 2-4%
Total % Asbestos	2-4%	2-4%	2-4%
Other Fibrous Material In Sample	Mineral Wool 30% Cellulose 20% Glass Fibers <1%	Mineral Wool 30% Cellulose 20% Glass Fibers <1%	Mineral Wool 30% Cellulose 20% Glass Fibers 5%
Non-Fibrous Material:	Other 45-47%	Other 45-47%	Other 41-43%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8853	B17-8854	B17-8855
Sample ID No.	17-032.1-76	17-032.1-77	17-032.1-78
Sample Description	TSI	TSI	TSI
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Gray/Beige/Gold	Gray/Beige	Gray/Beige/Gold
Asbestos Present	Yes	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Gray Layer: Chrysotile 2-4%  Gold Layer N.D.	Chrysotile 2-4%	Gray Layer: Chrysotile 2-4%  Gold Layer N.D.
Total % Asbestos		2-4%	
Other Fibrous Material In Sample	Gray Layer: Mineral Wool 30% Cellulose 20%  Gold Layer: Glass Fibers 100%	Mineral Wool 30% Cellulose 20% Glass Fibers <1%	Gray Layer: Mineral Wool 30% Cellulose 20%  Gold Layer: Glass Fibers 100%
Non-Fibrous Material:	Gray Layer: Other 46-48%	Other 45-47%	Gray Layer: Other 46-48%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8856	B17-8857	B17-8858
Sample ID No.	17-032.1-79	17-032.1-80	17-032.1-81
Sample Description	ADH	ADH	Cloth Dampener
Sample Treatment	Teased/Dissolved Heated	Teased/Dissolved Heated	Teased
Homogeneous	No	No	Woven
Layered	Yes	Yes	Woven
Fibrous	Yes	Yes	Yes
Sample Color	Brown/Black Silver/Gold	Brown/Black/Silver	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Glass Fibers 30% Cellulose 30%	Glass Fibers <1% Cellulose 30%	Cellulose 98%
Non-Fibrous Material:	Tar 34% Foil 5% Binder/Filler <1%	Tar 63% Foil 5% Binder/Filler <1%	Other 2%

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Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8859	B17-8860	B17-8861
Sample ID No.	17-032.1-82	17-032.1-83	17-032.1-84
Sample Description	Cloth Dampener	Insulation	Insulation
Sample Treatment	Teased	Teased/Dissolved	Teased/Dissolved
Homogeneous	Woven	Yes	Yes
Layered	Woven	No	No
Fibrous	Yes	Yes	Yes
Sample Color	Gray	Brown/Black	Brown/Black
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 98%	Wood 93%	Wood 93%
Non-Fibrous Material:	Other 2%	Tar 2% Binder/Filler 5%	Tar 2% Binder/Filler 5%

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8862	B17-8863	B17-8864
Sample ID No.	17-032.1-85	17-032.1-86	17-032.1-87
Sample Description	Concrete	Concrete	TSI
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	No	No	Yes
Sample Color	Gray	Gray	Gray/Beige
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Chrysotile 2-4%
Total % Asbestos	None	None	2-4%
Other Fibrous Material In Sample			Mineral Wool 35% Cellulose 5%
Non-Fibrous Material:	Concrete 100%	Concrete 100%	Other 56-58%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8865	B17-8866	B17-8867
Sample ID No.	17-032.1-88	17-032.1-89	17-032.1-90
Sample Description	TSI	TSI	TSI
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Gray/Beige	Gray/Beige	Gray/Beige
Asbestos Present	Yes	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Chrysotile 2-4%	Chrysotile 2-4%	Chrysotile 2-4%
Total % Asbestos	2-4%	2-4%	2-4%
Other Fibrous Material In Sample	Mineral Wool 35% Cellulose 5%	Mineral Wool 35% Cellulose 5%	Mineral Wool 35% Cellulose 5%
Non-Fibrous Material:	Other 56-58%	Other 56-58%	Other 56-58%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8868	B17-8869	B17-8870
Sample ID No.	17-032.1-91	17-032.1-92	17-032.1-93
Sample Description	TSI	TSI	TSI
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Gray/Beige	Gray/Beige	Gray/Beige
Asbestos Present	Yes	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Chrysotile 3-5%	Chrysotile 3-5%	Chrysotile 3-5%
Total % Asbestos	3-5%	3-5%	3-5%
Other Fibrous Material In Sample	Mineral Wool 35% Cellulose 5%	Mineral Wool 35% Cellulose 5%	Mineral Wool 35% Cellulose 5%
Non-Fibrous Material:	Other 55-57%	Other 55-57%	Other 55-57%

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8871	B17-8872	B17-8873
Sample ID No.	17-032.1-94	17-032.1-95	17-032.1-96
Sample Description	VCB w/ ADH	VCB w/ ADH	VSF w/ ADH
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Black/Brown	Black/Brown	Beige/Clear Gold
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Cove Base N.D.  Brown Mastic N.D.	Cove Base N.D.  Brown Mastic N.D.	Backing Only: Chrysotile 40-45%
Total % Asbestos	None	None	20-25%
Other Fibrous Material In Sample	Brown Mastic: Wollastonite 3%	Brown Mastic: Wollastonite 3%	Cellulose 10-15%
Non-Fibrous Material:	Cove Base: Binder/Filler 40% Vinyl 60%  Brown Mastic: Other 97%	Cove Base: Binder/Filler 40% Vinyl 60%  Brown Mastic: Other 97%	Binder/Filler 20% Vinyl 45-50%  <b>Clear Gold Mastic not analyzed; embedded in ACM Backing.</b>

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8874	B17-8875	B17-11552
Sample ID No.	17-032.1-97	17-032.1-98	17-032.1-98-A
Sample Description	VSF w/ ADH	Drywall/Joint Compound/Composite	Sub Sample of 17-032.1-98 2 Off White Layers
Sample Treatment		Teased/Crushed	Teased/Crushed
Homogeneous		No	No
Layered		Yes	Yes
Fibrous		Yes	Yes
Sample Color		Brown/White	Off White
Asbestos Present		No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Not analyzed as per Customer.	Sheetrock N.D.	2 Off White Layers: Chrysotile <1%
Total % Asbestos		None	<1%
Other Fibrous Material In Sample		Cellulose 5% Glass Fibers <1%	
Non-Fibrous Material:		Mica 2% Binder/Filler 3% Gypsum 89%	Gypsum 99%

Date Analyzed: March 14, 2017

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8876	B17-11553	B17-8877
Sample ID No.	17-032.1-99	17-032.1-99-A	17-032.1-100
Sample Description	Drywall/Joint Compound/Composite	Sub Sample of 17-032.1-99 2 Off White Layers	VFT w/ Mastic
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Brown/White	Off White/Beige	Light Gray/Black
Asbestos Present	No	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Sheetrock N.D.	2 Off White Layers: Chrysotile <1%	Floor Tile: Chrysotile 2-3%  Black Mastic: Chrysotile 1-2%
Total % Asbestos	None	<1%	
Other Fibrous Material In Sample	Cellulose 5% Glass Fibers <1%		
Non-Fibrous Material:	Mica 2% Binder/Filler 3% Gypsum 89%	Gypsum 99%  <b>Paint not analyzed.</b>	Floor Tile: Binder/Filler 45% Vinyl 52-53%  Black Mastic: Other 98-99%

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Analyzed By: Lisa Meade

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Customer #: 1023

Laboratory No.	B17-8878	B17-8879	B17-8880
Sample ID No.	17-032.1-101	17-032.1-102	17-032.1-103
Sample Description	VFT w/ Mastic	Ceiling Panels	Ceiling Panels
Sample Treatment		Teased/Crushed	
Homogeneous		No	
Layered		Yes	
Fibrous		Yes	
Sample Color		Tan/White	
Asbestos Present		Yes	
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Not analyzed as per Customer.	Amosite 2-4%	Not analyzed as per Customer.
Total % Asbestos		2-4%	
Other Fibrous Material In Sample		Mineral Wool 86-88%	
Non-Fibrous Material:		Binder/Filler 10% <b>Paint not analyzed.</b>	

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8881	B17-8882	B17-8883
Sample ID No.	17-032.1-104	17-032.1-105	17-032.1-106
Sample Description	Ceiling Panels	Ceiling Panels	VSF
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Gray/White	Gray/White	Pale Green/White/Tan
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Backing Only: Chrysotile 40-45%
Total % Asbestos	None	None	20-25%
Other Fibrous Material In Sample	Cellulose 53% Mineral Wool <1%	Cellulose 53% Mineral Wool <1%	Cellulose 20-25%
Non-Fibrous Material:	Perlite 30% Binder/Filler 15% Paint <1% Other 100%	Perlite 30% Binder/Filler 15% Paint <1% Other 100%	Binder/Filler 20% Vinyl 35%  <b>Tan Mastic not analyzed; embedded in ACM Backing.</b>

Date Analyzed: March 14, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8884	B17-8885	B17-8886
Sample ID No.	17-032.1-107	17-032.1-108	17-032.1-109
Sample Description	VSF	Plaster	Plaster
Sample Treatment		Teased/Crushed	Teased/Crushed
Homogeneous		Yes	No
Layered		No	Yes
Fibrous		Yes	Yes
Sample Color		Light Gray	White/Light Gray
Asbestos Present		No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Not analyzed as per Customer.	N.D.	Plaster N.D.  Skim Coat N.D.
Total % Asbestos		None	None
Other Fibrous Material In Sample		Cellulose <1%	Plaster: Cellulose <1%
Non-Fibrous Material:		Aggregate 40% Quartz 20% Mica <1% Plaster 38%	Plaster: Aggregate 40% Quartz 20% Mica <1% Plaster 38%  Skim Coat: Other 100%

Date Analyzed: March 14 & 15, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8887	B17-8888	B17-11554
Sample ID No.	17-032.1-110	17-032.1-111	17-032.1-111-A
Sample Description	Plaster	Skim Coat	Sub Sample of 17-032.1-111 White Layer
Sample Treatment	Teased/Crushed	Teased/Heated	Teased/Crushed Dissolved
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	Yes	No	No
Sample Color	Light Gray	Gray	White/Off White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Gray Layer N.D.	White Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose <1% Glass Fibers <1%		
Non-Fibrous Material:	Aggregate 40% Quartz 20% Mica <1% Plaster 37%	Quartz 30% Other 70%	Other 99% Paint <1% Other 100%

Date Analyzed: March 15, 2017

Analyzed By: Lisa Meade

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**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8889	B17-11555	B17-8890
Sample ID No.	17-032.1-112	17-032.1-112-A	17-032.1-113
Sample Description	Skim Coat	Sub Sample of 17-032.1-112 White Layer	Skim Coat
Sample Treatment	Teased/Heated	Teased/Crushed Dissolved	Teased/Heated
Homogeneous	Yes	No	Yes
Layered	No	Yes	No
Fibrous	No	No	No
Sample Color	Gray	White/Off White	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Gray Layer N.D.	White Layer N.D.	Gray Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Quartz 30% Other 70%	Other 99% Paint <1% Other 100%	Quartz 30% Other 70%

Date Analyzed: March 15, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11556	B17-8891	B17-8892
Sample ID No.	17-032.1-113-A	17-032.1-114	17-032.1-115
Sample Description	Sub Sample of 17-032.1-113 White Layer	Ceramic Tile w/Adhesive	Ceramic Tile w/Adhesive
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Heated	Teased/Crushed Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	White/Off White	Tan/Off White Pale Yellow	Tan/Off White Pale Yellow
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	White Layer N.D.	Ceramic Tile N.D.  Off White Mastic N.D.  Pale Yellow Mastic N.D.	Ceramic Tile N.D.  Off White Mastic N.D.  Pale Yellow Mastic N.D.  Grout N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 99% Paint <1% Other 100%	Ceramic Tile: Other 100%  Off White Mastic: Other 100%  Pale Yellow Mastic: Other 100%	Ceramic Tile: Other 100%  Off White Mastic: Other 100%  Pale Yellow Mastic: Other 100%  Grout: Quartz 55% Other 45%

Date Analyzed: March 15, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8893	B17-8894	B17-8895
Sample ID No.	17-032.1-116	17-032.1-117	17-032.1-118
Sample Description	Mortar	Mortar	VCB w/Adhesive
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Heated
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	No	No	No
Sample Color	Gray	Gray	Blue/Off White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Cove Base N.D.  Off White Mastic N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Aggregate 40% Quartz 20% Mica <1% Other 39%	Aggregate 40% Quartz 20% Mica <1% Other 39%	Cove Base: Binder/Filler 35% Vinyl 65%  Off White Mastic: Other 100%

Date Analyzed: March 15, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8896	B17-8897	B17-8898
Sample ID No.	17-032.1-119	17-032.1-120	17-032.1-121
Sample Description	VCB w/Adhesive	Carpet Adhesive	Carpet Adhesive
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	Yes	Yes
Layered	Yes	No	No
Fibrous	No	No	No
Sample Color	Blue/Off White	Gold	Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Cove Base N.D.  Off White Mastic N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Cove Base: Binder/Filler 35% Vinyl 65%  Off White Mastic: Other 100%	Other 100%	Other 100%

Date Analyzed: March 15, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8899	B17-8900	B17-8901
Sample ID No.	17-032.1-122	17-032.1-123	17-032.1-124
Sample Description	9x9 VFT w/Mastic	9x9 VFT w/Mastic	Brick Mortar
Sample Treatment	Teased/Crushed Heated		Teased/Crushed
Homogeneous	No		Yes
Layered	Yes		No
Fibrous	Yes		No
Sample Color	Off White/Green/Black		Gray
Asbestos Present	Yes		No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Floor Tile: Chrysotile 2-3%  Black Mastic: Chrysotile 3-5%	Not analyzed as per Customer.	N.D.
Total % Asbestos			None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Floor Tile: Binder/Filler 45% Vinyl 52-53%  Black Mastic: Other 95-97%		Aggregate 45% Quartz 20% Mica <1% Other 34%

Date Analyzed: March 15 & 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8902	B17-8903	B17-8904
Sample ID No.	17-032.1-125	17-032.1-126	17-032.1-127
Sample Description	Brick Mortar	Brick Mortar	Brick Mortar
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	Gray	Gray	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Aggregate 45% Quartz 20% Mica <1% Other 34%	Aggregate 45% Quartz 20% Mica <1% Other 34%	Aggregate 45% Quartz 20% Mica <1% Other 34%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8905	B17-8906	B17-8907
Sample ID No.	17-032.1-128	17-032.1-129	17-032.1-130
Sample Description	Wall Material	Wall Material	Wall Material
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Brown/Tan Beige/White	Brown/Tan Beige/White	Brown/Tan Beige/White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 25% Wood 30%	Cellulose 25% Wood 30%	Cellulose 25% Wood 30%
Non-Fibrous Material:	Other 10% Paint 35% Other 100%	Other 10% Paint 35% Other 100%	Other 10% Paint 35% Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8908	B17-8909	B17-8910
Sample ID No.	17-032.1-131	17-032.1-132	17-032.1-133
Sample Description	VSF	VSF	Ceiling Tile
Sample Treatment	Teased/Heated		Teased/Crushed Heated
Homogeneous	No		No
Layered	Yes		Yes
Fibrous	Yes		Yes
Sample Color	Tan/Off White/Gold		Tan/White/Green/Gold
Asbestos Present	Yes		No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Backing Only: Chrysotile 40-45%	Not analyzed as per Customer.	N.D.
Total % Asbestos	20-25%		None
Other Fibrous Material In Sample	Cellulose 20-25%		Cellulose 48% Mineral Wool 35%
Non-Fibrous Material:	Binder/Filler 20% Vinyl 35%  <b>Gold Mastic not analyzed; embedded in ACM Backing.</b>		Binder/Filler 15% Other <1% Mastic <1%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8911	B17-8912	B17-8913
Sample ID No.	17-032.1-134	17-032.1-135	17-032.1-136
Sample Description	Ceiling Tile	Adhesive Dots	Adhesive Dots
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Crushed Heated
Homogeneous	No	Yes	Yes
Layered	Yes	No	No
Fibrous	Yes	Yes	Yes
Sample Color	Tan/White/Green/Gold	Brown	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 48% Mineral Wool 35%	Wollastonite 3%	Wollastonite 3%
Non-Fibrous Material:	Binder/Filler 15% Other <1% Mastic <1%	Other 97%	Other 97%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8914	B17-11557	B17-8915
Sample ID No.	17-032.1-137	17-032.1-137-A	17-032.1-138
Sample Description	Ceramic Tile w/ Adhesive	Sub Sample of 17-032.1-137 Off White Layer	Ceramic Tile w/ Adhesive
Sample Treatment	Teased/Crushed Heated	Teased/Crushed	Teased/Crushed Heated
Homogeneous	No	Yes	No
Layered	Yes	No	Yes
Fibrous	No	Yes	No
Sample Color	Light Gray/Tan Gray	Off White	Light Gray/Tan Gray
Asbestos Present	No	Yes	No
Asbestos Type and Percentage	Ceramic Tile N.D.  1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Off White Layer: Chrysotile <1%	Ceramic Tile N.D.  Tan Mastic N.D.  Gray Layer N.D.
Total % Asbestos	None	<1%	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%  Tan Mastic: Other 100%  Gray Layer: Other 100%	Gypsum 99%	Ceramic Tile: Other 100%  Tan Mastic: Other 100%  Gray Layer: Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11558	B17-8916	B17-8917
Sample ID No.	17-032.1-138-A	17-032.1-139	17-032.1-140
Sample Description	Sub Sample of 17-032.1-138 Off White Layer	Ceramic Tile w/ Adhesive	Ceramic Tile w/ Adhesive
Sample Treatment	Teased/Crushed	Teased/Crushed Heated	Teased/Crushed Heated
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	Yes	No	No
Sample Color	Off White	Gray/Light Gray White	White/Gray
Asbestos Present	Yes	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Off White Layer: Chrysotile <1%	Ceramic Tile N.D.  Gray Layer N.D.	Ceramic Tile N.D.  Gray Layer N.D.
Total % Asbestos	<1%	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Gypsum 99%	Ceramic Tile: Other 100%  Gray Layer: Aggregate 45% Quartz 25% Mica <1% Other 29%	Ceramic Tile: Other 100%  Gray Layer: Aggregate 45% Quartz 25% Mica <1% Other 29%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8918	B17-8919	B17-8920
Sample ID No.	17-032.1-141	17-032.1-142	17-032.1-143
Sample Description	Counter Top Tile w/ Grout	Counter Top Tile w/ Grout	Ceiling Panels
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	Yes
Sample Color	Off White/Brown Gray	Off White/Brown Gray/Clear Gold	White/Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Tile N.D.  Off White Mastic N.D.  Grout N.D.	Tile N.D.  Off White Mastic N.D.  Grout N.D.  Clear Gold Mastic N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			Cellulose 58% Mineral Wool <1%
Non-Fibrous Material:	Tile: Other 100%  Off White Mastic: Other 100%  Grout: Quartz 60% Other 40%	Tile: Other 100%  Off White Mastic: Other 100%  Grout: Quartz 60% Other 40%  Clear Gold Mastic: Other 100%	Perlite 25% Binder/Filler 15% Paint <1% Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8921	B17-8922	B17-8923
Sample ID No.	17-032.1-144	17-032.1-145	17-032.1-146
Sample Description	Ceiling Panels	Barrier Paper	Barrier Paper
Sample Treatment	Teased/Crushed Dissolved	Teased/Dissolved Heated	Teased/Dissolved Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	White/Gray	Black/Brown	Black/Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Paper Layer N.D.  Brown Layer N.D.	Paper Layer N.D.  Brown Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 58% Mineral Wool <1%	Paper Layer: Cellulose 80%	Paper Layer: Cellulose 80%
Non-Fibrous Material:	Perlite 25% Binder/Filler 15% Paint <1% Other 100%	Paper Layer: Tar 20%  Brown Layer: Other 100%	Paper Layer: Tar 20%  Brown Layer: Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11559	B17-8924	B17-8925
Sample ID No.	17-032.1-146-A	17-032.1-147	17-032.1-148
Sample Description	Sub Sample of 17-032.1-146 Green Tile & Black Mastic	Skim Coat	Skim Coat
Sample Treatment	Teased/Crushed Heated	Teased/Crushed	Teased/Crushed
Homogeneous	No	Yes	Yes
Layered	Yes	No	No
Fibrous	Yes	No	No
Sample Color	Green/Black	Gray/White	Gray/White
Asbestos Present	Yes	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Green Tile: Chrysotile 2-3%  Black Mastic: Chrysotile 2-3%	N.D.	N.D.
Total % Asbestos		None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Green Tile: Binder/Filler 45% Vinyl 52-53%  Black Mastic: Other 97-98%  <b>Extremely small samples.</b>	Aggregate 45% Quartz 20% Mica <1% Other 34%	Aggregate 45% Quartz 20% Mica <1% Other 34%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8926	B17-8927	B17-8928
Sample ID No.	17-032.1-149	17-032.1-150	17-032.1-151
Sample Description	Skim Coat	Ceiling Panels	Ceiling Panels
Sample Treatment	Teased/Crushed	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	Yes	Yes
Sample Color	Gray/White	White/Gray	White/Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Cellulose 63% Mineral Wool <1%	Cellulose 63% Mineral Wool <1%
Non-Fibrous Material:	Aggregate 45% Quartz 20% Mica <1% Other 34%	Perlite 20% Binder/Filler 15% Paint <1% Other 100%	Perlite 20% Binder/Filler 15% Paint <1% Other 100%

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8929	B17-8930	B17-8931
Sample ID No.	17-032.1-152	17-032.1-153	17-032.1-154
Sample Description	VSF	VSF	VSF w/ Adhesive
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Light Gray/Gold	Light Gray/Gold	Light Gray/Blue Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage	Sheet Vinyl N.D.	Sheet Vinyl N.D.	Sheet Vinyl N.D.
1. Chrysotile	Gold Mastic N.D.	Gold Mastic N.D.	Gold Mastic N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Sheet Vinyl: Cellulose 20% Glass Fibers 5%	Sheet Vinyl: Cellulose 20% Glass Fibers 5%	Sheet Vinyl: Cellulose 25% Glass Fibers 5%
Non-Fibrous Material:	Sheet Vinyl: Binder/Filler 20% Vinyl 55%	Sheet Vinyl: Binder/Filler 20% Vinyl 55%	Sheet Vinyl: Binder/Filler 20% Vinyl 50%
	Gold Mastic: Other 100%	Gold Mastic: Other 100%	Gold Mastic: Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8932	B17-8933	B17-8934
Sample ID No.	17-032.1-155	17-032.1-156	17-032.1-157
Sample Description	VSF w/ Adhesive	VCB w/ Adhesive	VCB w/ Adhesive
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	No	No
Sample Color	Light Gray/Blue Gold	Gray/Off White	Gray/Off White
Asbestos Present	No	No	No
Asbestos Type and Percentage	Sheet Vinyl N.D.	Cove Base N.D.	Cove Base N.D.
1. Chrysotile	Gold Mastic N.D.	Off White Mastic N.D.	Off White Mastic N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Sheet Vinyl: Cellulose 25% Glass Fibers 5%		
Non-Fibrous Material:	Sheet Vinyl: Binder/Filler 20% Vinyl 50%  Gold Mastic: Other 100%	Cove Base: Binder/Filler 30% Vinyl 70%  Off White Mastic: Other 100%	Cove Base: Binder/Filler 30% Vinyl 70%  Off White Mastic: Other 100%

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8935	B17-8936	B17-8937
Sample ID No.	17-032.1-158	17-032.1-159	17-032.1-160
Sample Description	Ceramic Tile w/ Adhesive	Ceramic Tile w/ Adhesive	Skim Coat
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	White/Off White Peach	White/Off White Peach	Green/Off White
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.  Off White Mastic N.D.	Ceramic Tile N.D.  Off White Mastic N.D.	N.D.
1. Chrysotile			
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%  Off White Mastic: Other 100%	Ceramic Tile: Other 100%  Off White Mastic: Other 100%	Quartz 30% Mica <1% Other 64% Paint 5% Other 100

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8938	B17-8939	B17-8940
Sample ID No.	17-032.1-161	17-032.1-162	17-032.1-163
Sample Description	Skim Coat	Skim Coat	Blown In Insulation
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	No	No	Yes
Sample Color	Green/Off White	Green/Off White/Gray	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			Cellulose 94% Wood <1% Hair <1%
Non-Fibrous Material:	Quartz 40% Mica <1% Other 54% Paint 5% Other 100	Quartz 40% Mica <1% Other 54% Paint 5% Other 100	Binder/Filler <1% Other <1%

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8941	B17-8942	B17-8943
Sample ID No.	17-032.1-164	17-032.1-165	17-032.1-166
Sample Description	Blown In Insulation	Blown In Insulation	Plaster
Sample Treatment	Teased	Teased	Teased/Crushed Dissolved
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	Yes	Yes	No
Sample Color	Brown	Brown	White/Light Gray Off White/Yellow
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Plaster N.D.  Skim Coat N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 94% Wood <1% Hair <1%	Cellulose 94% Wood <1% Hair <1%	
Non-Fibrous Material:	Binder/Filler <1% Other <1%	Binder/Filler <1% Other <1%	Plaster: Aggregate 40% Quartz 20% Mica <1% Plaster 39%  Skim Coat: Other 99% Paint <1% Other 100%

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Customer #: 1023

Laboratory No.	B17-11560	B17-8944	B17-11561
Sample ID No.	17-032.1-166-A	17-032.1-167	17-032.1-167-A
Sample Description	Sub Sample of 17-032.1-166 Top Layer	Plaster	Sub Sample of 17-032.1-164 Top Layer
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	Yes	No
Sample Color	Gray/White	White/Light Gray Off White/Yellow	Gray/White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Top Layer N.D.	Plaster N.D.  Skim Coat N.D.	Top Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Plaster: Glass Fibers <1%	
Non-Fibrous Material:	Gypsum 99% Paint <1% Other 100%	Plaster: Aggregate 40% Quartz 20% Mica <1% Plaster 38%  Skim Coat: Other 99% Paint <1% Other 100%	Gypsum 99% Paint <1% Other 100%

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Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8945	B17-11562	B17-8946
Sample ID No.	17-032.1-168	17-032.1-168-A	17-032.1-169
Sample Description	Plaster	Sub Sample of 17-032.1-168 Top Layer	Glue Dots
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased/Crushed Heated
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	Yes	No	No
Sample Color	White/Light Gray Off White/Yellow	Gray/White	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Plaster N.D.  Skim Coat N.D.	Top Layer N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Plaster: Glass Fibers <1%		
Non-Fibrous Material:	Plaster: Aggregate 40% Quartz 20% Mica <1% Plaster 38%  Skim Coat: Other 99% Paint <1% Other 100%	Gypsum 99% Paint <1% Other 100%	Other 100%

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Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8947	B17-8948	B17-8949
Sample ID No.	17-032.1-170	17-032.1-171	17-032.1-172
Sample Description	Glue Dots	Cork Board	Cork Board
Sample Treatment	Teased/Crushed Heated	Teased	Teased
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	Brown	Brown	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Cork 100%	Cork 100%

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8950	B17-8951	B17-8952
Sample ID No.	17-032.1-173	17-032.1-174	17-032.1-175
Sample Description	Panels w/ Adhesive	Panels w/ Adhesive	Ceiling Panel w/ Adhesive
Sample Treatment	Teased/Dissolved Heated	Teased/Dissolved Heated	Teased/Crushed Dissolved/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Blue/Off White/Tan	Blue/Off White/Tan	Blue/Gray/Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Panels N.D.  Tan Adhesive N.D.	Panels N.D.  Tan Adhesive N.D.	Ceiling Panel N.D.  Brown Mastic N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Panels: Wood 94%	Panels: Wood 94%	Ceiling Panel: Cellulose 39% Mineral Wool 25%
Non-Fibrous Material:	Panels: Other 5% Paint <1% Other 100%  Tan Adhesive: Other 100%	Panels: Other 5% Paint <1% Other 100%  Tan Adhesive: Other 100%	Ceiling Panel: Perlite 20% Binder/Filler 15% Paint <1% Other 100%  Brown Mastic: Other 100%

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**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8953	B17-8954	B17-8955
Sample ID No.	17-032.1-176	17-032.1-177	17-032.1-178
Sample Description	Ceiling Panel w/ Adhesive	Tile w/ Mastic	Tile w/ Mastic
Sample Treatment	Teased/Crushed Dissolved/Heated	Teased/Crushed Heated	
Homogeneous	No	No	
Layered	Yes	Yes	
Fibrous	Yes	Yes	
Sample Color	Blue/Gray White/Brown	Light Gray/Gray Black	
Asbestos Present	No	Yes	
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Ceiling Panel N.D.  Brown Mastic N.D.	Floor Tile: Chrysotile 2-4%  Black Mastic: Chrysotile 3-5%	Not analyzed as per Customer.
Total % Asbestos	None		
Other Fibrous Material In Sample	Ceiling Panel: Cellulose 39% Mineral Wool 25%		
Non-Fibrous Material:	Ceiling Panel: Perlite 20% Binder/Filler 15% Paint <1% Other 100%  Brown Mastic: Other 100%	Floor Tile: Binder/Filler 45% Vinyl 51-53%  Black Mastic: Other 95-97%	

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

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Customer #: 1023

Laboratory No.	B17-8956	B17-8957	B17-8958
Sample ID No.	17-032.1-179	17-032.1-180	17-032.1-181
Sample Description	VSF	VSF	Carpet ADH
Sample Treatment	Teased/Heated		Teased/Heated
Homogeneous	No		Yes
Layered	Yes		No
Fibrous	Yes		No
Sample Color	Beige/Tan Pale Yellow		Gold
Asbestos Present	Yes		No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Backing Only: Chrysotile 40-45%	Not analyzed as per Customer.	N.D.
Total % Asbestos	20-25%		None
Other Fibrous Material In Sample	Cellulose 20-25%		
Non-Fibrous Material:	Binder/Filler 20% Vinyl 35%  <b>Pale Yellow Mastic not analyzed; embedded in ACM Backing.</b>		Other 100%

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Customer #: 1023

Laboratory No.	B17-8959	B17-8960	B17-8961
Sample ID No.	17-032.1-182	17-032.1-183	17-032.1-184
Sample Description	Carpet ADH	VFT w/ Mastic	VFT w/ Mastic
Sample Treatment	Teased/Heated	Teased/Dissolved Heated	
Homogeneous	Yes	No	
Layered	No	Yes	
Fibrous	No	Yes	
Sample Color	Gold	Beige/Off White Black	
Asbestos Present	No	Yes	
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Floor Tile: Chrysotile 1-2%  Black Mastic: Chrysotile 3-5%	Not analyzed as per Customer.
Total % Asbestos	None		
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Floor Tile: Binder/Filler 45% Vinyl 53-54%  Black Mastic: Other 95-97%	

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Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8962	B17-8963	B17-8964
Sample ID No.	17-032.1-185	17-032.1-186	17-032.1-187
Sample Description	VFS	VFS	VSF w/ ADH
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Off White/Blue/Gold	Off White/Blue/Gold	Off White/Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage	Sheet Vinyl N.D.	Sheet Vinyl N.D.	Sheet Vinyl N.D.
1. Chrysotile	Gold Mastic N.D.	Gold Mastic N.D.	Gold Mastic N.D.
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Sheet Vinyl: Cellulose 25% Glass Fibers 5%	Sheet Vinyl: Cellulose 25% Glass Fibers 5%	Sheet Vinyl: Cellulose 15% Glass Fibers 10%
Non-Fibrous Material:	Sheet Vinyl: Binder/Filler 20% Vinyl 50%  Gold Mastic: Other 100%	Sheet Vinyl: Binder/Filler 20% Vinyl 50%  Gold Mastic: Other 100%	Sheet Vinyl: Binder/Filler 30% Vinyl 25%  Gold Mastic: Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8965	B17-8966	B17-8967
Sample ID No.	17-032.1-188	17-032.1-189	17-032.1-190
Sample Description	VSF w/ ADH	VSF	VSF
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Off White/Gold	White/Blue Gray/Gold	White/Blue Gray/Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage	Sheet Vinyl N.D.  Gold Mastic N.D.	Sheet Vinyl N.D.  Gold Mastic N.D.  Gray Layer N.D.	Sheet Vinyl N.D.  Gold Mastic N.D.  Gray Layer N.D.
1. Chrysotile			
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Sheet Vinyl: Cellulose 15% Glass Fibers 10%	Sheet Vinyl: Cellulose 20% Glass Fibers 5%	Sheet Vinyl: Cellulose 20% Glass Fibers 5%
Non-Fibrous Material:	Sheet Vinyl: Binder/Filler 30% Vinyl 25%  Gold Mastic: Other 100%	Sheet Vinyl: Binder/Filler 20% Vinyl 55%  Gold Mastic: Other 100%  Gray Layer: Other 100%	Sheet Vinyl: Binder/Filler 20% Vinyl 55%  Gold Mastic: Other 100%  Gray Layer: Other 100%

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Customer #: 1023

Laboratory No.	B17-8968	B17-8969	B17-8970
Sample ID No.	17-032.1-191	17-032.1-192	17-032.1-193
Sample Description	VCB w/ ADH	VCB w/ ADH	ADH
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	Yes	Yes	No
Sample Color	Black/Gold/Brown	Black/Gold/Brown	Tan
Asbestos Present	No	No	No
Asbestos Type and Percentage	Cove Base N.D.	Cove Base N.D.	N.D.
1. Chrysotile	Gold Mastic N.D.	Gold Mastic N.D.	
2. Amosite			
3. Crocidolite	Brown Mastic N.D.	Brown Mastic N.D.	
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Brown Mastic: Wollastonite 3%	Brown Mastic: Wollastonite 3%	
Non-Fibrous Material:	Cove Base: Binder/Filler 35% Vinyl 65%  Gold Mastic: Other 100%  Brown Mastic: Other 97%	Cove Base: Binder/Filler 35% Vinyl 65%  Gold Mastic: Other 100%  Brown Mastic: Other 97%	Other 100%

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Customer #: 1023

Laboratory No.	B17-8971	B17-8972	B17-8973
Sample ID No.	17-032.1-194	17-032.1-195	17-032.1-196
Sample Description	ADH	Brick Mortar	Brick Mortar
Sample Treatment	Teased/Heated	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	No	No
Sample Color	Tan	Pink/Gray	Pink/Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Aggregate 45% Quartz 20% Mica <1% Other 34%	Aggregate 45% Quartz 20% Mica <1% Other 34%

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Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8974	B17-8975	B17-8976
Sample ID No.	17-032.1-197	17-032.1-198	17-032.1-199
Sample Description	Ceiling Panels	Ceiling Panels	Drywall/Joint Compound/Composite
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Gray/White	Gray/White	Brown/White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Sheetrock N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 39% Mineral Wool 25%	Cellulose 39% Mineral Wool 25%	Cellulose 5% Glass Fibers 2%
Non-Fibrous Material:	Perlite 20% Binder/Filler 15% Paint <1% Other 100%	Perlite 20% Binder/Filler 15% Paint <1% Other 100%	Binder/Filler 5% Gypsum 88%

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Customer #: 1023

Laboratory No.	B17-11563	B17-8977	B17-11564
Sample ID No.	17-032.1-199-A	17-032.1-200	17-032.1-200-A
Sample Description	Sub Sample of 17-032.1-199 Off White Layer	Drywall/Joint Compound/Composite	Sub Sample of 17-032.1-200 Off White Layer
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Tan/Off White	Brown/White	Tan/Off White
Asbestos Present	Yes	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Off White Layer: Chrysotile <1%	Sheetrock N.D.	Off White Layer: Chrysotile <1%
Total % Asbestos	<1%	None	<1%
Other Fibrous Material In Sample		Cellulose 5% Glass Fibers 2%	
Non-Fibrous Material:	Gypsum 99%  <b>Paint not analyzed.</b>	Binder/Filler 5% Gypsum 88%	Gypsum 99%  <b>Paint not analyzed.</b>

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Customer #: 1023

Laboratory No.	B17-8978	B17-8979	B17-8980
Sample ID No.	17-032.1-201	17-032.1-202	17-032.1-203
Sample Description	Fiberglass Duct ADH	Fiberglass Duct ADH	Browns Coating
Sample Treatment	Teased/Heated	Teased/Heated	Teased
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	No	No	Yes
Sample Color	Clear Gold	Clear Gold	Brown/Tan
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Chrysotile 5-7% Actinolite <1%
Total % Asbestos	None	None	6-8%
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Other 100%	Vermiculite 61-63% Aggregate <1% Binder/Filler 30%  <b>Paint not analyzed.</b>

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Customer #: 1023

Laboratory No.	B17-8981	B17-8982	B17-8983
Sample ID No.	17-032.1-204	17-032.1-205	17-032.1-206
Sample Description	Browns Coating	Browns Coating	Cloth Duct Wrap
Sample Treatment			Teased
Homogeneous			Woven
Layered			Woven
Fibrous			Yes
Sample Color			Silver/Off White
Asbestos Present			Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Not analyzed as per Customer.	Not analyzed as per Customer.	Chrysotile 35-40%
Total % Asbestos			
Other Fibrous Material In Sample			Cellulose 35-40% Glass Fibers 24%
Non-Fibrous Material:			Other <1%

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Customer #: 1023

Laboratory No.	B17-8984	B17-8985	B17-11565
Sample ID No.	17-032.1-207	17-032.1-208	17-032.1-208-A
Sample Description	Cloth Duct Wrap	Drywall/Joint Compound/Composite	Sub Sample of 17-032.1-208 White Layer
Sample Treatment		Teased/Crushed	Teased/Crushed
Homogeneous		No	Yes
Layered		Yes	No
Fibrous		Yes	No
Sample Color		Brown/Off White	White
Asbestos Present		No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Not analyzed as per Customer.	Sheetrock N.D.	White Layer N.D.
Total % Asbestos		None	None
Other Fibrous Material In Sample		Cellulose 5% Glass Fibers <1%	
Non-Fibrous Material:		Binder/Filler 5% Gypsum 89%	Gypsum 100%

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Customer #: 1023

Laboratory No.	B17-8986	B17-11566	B17-8987
Sample ID No.	17-032.1-209	17-032.1-209-A	17-032.1-210
Sample Description	Drywall/Joint Compound/Composite	Sub Sample of 17-032.1-209 White Layer	Concrete
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	Yes	Yes
Layered	Yes	No	No
Fibrous	Yes	No	No
Sample Color	Brown/Off White	White	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Sheetrock N.D.	White Layer N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 5% Glass Fibers <1%		
Non-Fibrous Material:	Binder/Filler 5% Gypsum 89%	Gypsum 100%	Concrete 100%

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Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8988	B17-8989	B17-8990
Sample ID No.	17-032.1-211	17-032.1-212	17-032.1-213
Sample Description	Concrete	VFT w/ ADH	VFT w/ ADH
Sample Treatment	Teased/Crushed	Teased/Crushed Heated	Teased/Crushed Heated
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	No	No
Sample Color	Gray	Blue/Gold	Blue/Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Floor Tile N.D.  Gold Mastic N.D.	Floor Tile N.D.  Gold Mastic N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Concrete 100%	Floor Tile: Binder/Filler 45% Vinyl 55%  Gold Mastic: Other 100%	Floor Tile: Binder/Filler 45% Vinyl 55%  Gold Mastic: Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8991	B17-11567	B17-8992
Sample ID No.	17-032.1-214	17-032.1-214-A	17-032.1-215
Sample Description	Ceramic Tile w/ ADH	Sub Sample of 17-032.1-214 Gray Layer	Ceramic Tile w/ ADH
Sample Treatment	Teased/Crushed Heated	Teased/Crushed	Teased/Crushed Heated
Homogeneous	No	Yes	No
Layered	Yes	No	Yes
Fibrous	No	No	No
Sample Color	Gray/Tan/Yellow	Gray	Gray/Tan/Yellow
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.	Gray Layer N.D.	Ceramic Tile N.D.
1. Chrysotile	Yellow Mastic N.D.		Yellow Mastic N.D.
2. Amosite			
3. Crocidolite	Grout N.D.		Gray Layer N.D.
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%  Yellow Mastic: Other 100%  Grout: Quartz 60% Other 40%	Aggregate 45% Quartz 20% Mica <1% Other 34%	Ceramic Tile: Other 100%  Yellow Mastic: Other 100%  Gray Layer: Aggregate 45% Quartz 20% Mica <1% Other 34%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8993	B17-8994	B17-8995
Sample ID No.	17-032.1-216	17-032.1-217	17-032.1-218
Sample Description	Ceramic Tile w/ Grout	Ceramic Tile w/ Grout	Carpet ADH
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Heated
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	No	No	No
Sample Color	Off White/Tan	Off White/Tan	Clear Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.	Ceramic Tile N.D.	N.D.
1. Chrysotile	Grout N.D.	Grout N.D.	
2. Amosite			
3. Crocidolite	Off White Mastic N.D.	Off White Mastic N.D.	
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%	Other 100%
	Grout: Other 100%	Grout: Other 100%	
	Off White Mastic: Other 100%	Off White Mastic: Other 100%	

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Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8996	B17-8997	B17-8998
Sample ID No.	17-032.1-219	17-032.1-220	17-032.1-221
Sample Description	Carpet ADH	Ceiling Panel	Ceiling Panel
Sample Treatment	Teased/Heated	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	Yes	Yes
Sample Color	Clear Brown	White/Gray	White/Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Cellulose 44% Mineral Wool 25%	Cellulose 44% Mineral Wool 25%
Non-Fibrous Material:	Other 100%	Perlite 20% Binder/Filler 10% Paint <1% Other 100%	Perlite 20% Binder/Filler 10% Paint <1% Other 100%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8999	B17-8900	B17-8901
Sample ID No.	17-032.1-222	17-032.1-223	17-032.1-224
Sample Description	VCB w/ ADH	VCB w/ ADH	Wood ADH
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Crushed Heated
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	No	No	No
Sample Color	Gray/Off White	Gray/Off White	Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Cove Base N.D.  Off White Mastic N.D.	Cove Base N.D.  Off White Mastic N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Cove Base: Binder/Filler 30% Vinyl 70%  Off White Mastic: Other 100%	Cove Base: Binder/Filler 30% Vinyl 70%  Off White Mastic: Other 100%	Other 100%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8902	B17-8903	B17-11568
Sample ID No.	17-032.1-225	17-032.1-226	17-032.1-226-A
Sample Description	Wood ADH	Carpet ADH	Sub Sample of 17-032.1-226 Gold Mastic
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Heated
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	Gold	Clear Gold	Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Clear Gold Mastic N.D.	Gold Mastic: N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Other 100%	Other 100%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8904	B17-8905	B17-8906
Sample ID No.	17-032.1-227	17-032.1-228	17-032.1-229
Sample Description	Carpet ADH	Flooring	Flooring
Sample Treatment	Teased/Crushed Heated	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Clear Gold/Gold	Gray/Red	Gray/Red
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Clear Gold Mastic N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Aggregate 35% Quartz 15% Mica <1% Other 49%	Aggregate 35% Quartz 15% Mica <1% Other 49%

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8907	B17-8908	B17-8909
Sample ID No.	17-032.1-230	17-032.1-231	17-032.1-232
Sample Description	Texture Ceiling Panel	Texture Ceiling Panel	VFT
Sample Treatment	Teased/Crushed		Teased/Crushed Heated
Homogeneous	No		No
Layered	Yes		Yes
Fibrous	Yes		Yes
Sample Color	White/Light Gray		Black/Yellow
Asbestos Present	Yes		No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Chrysotile 3-5% Amosite 1-2%	Not analyzed as per Customer.	Floor Tile N.D.  Black Mastic N.D.  Yellow Mastic N.D.
Total % Asbestos	4-7%		None
Other Fibrous Material In Sample	Mineral Wool 88-91%		
Non-Fibrous Material:	Binder/Filler 5%  <b>Paint not analyzed.</b>		Floor Tile: Binder/Filler 45% Vinyl 55%  Black Mastic: Other 100%  Yellow Mastic: Other 100%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8910	B17-8911	B17-8912
Sample ID No.	17-032.1-233	17-032.1-234	17-032.1-235
Sample Description	VFT	Wall Texture	Wall Texture
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Black/Yellow	Orange/Blue/White	Orange/Blue/White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Floor Tile N.D.  Black Mastic N.D.  Yellow Mastic N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Glass Fibers 40%	Glass Fibers 40%
Non-Fibrous Material:	Floor Tile: Binder/Filler 45% Vinyl 55%  Black Mastic: Other 100%  Yellow Mastic: Other 100%	Other 59% Paint <1% Other 100%	Other 59% Paint <1% Other 100%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8913	B17-8914	B17-8915
Sample ID No.	17-032.1-236	17-032.1-237	17-032.1-238
Sample Description	Wall Texture	TSI Elbows	TSI Elbows
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Orange/Blue/White	Gray/Beige	Gray/Beige
Asbestos Present	No	Yes	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Chrysotile 2-4%	Chrysotile 2-4%
Total % Asbestos	None	2-4%	2-4%
Other Fibrous Material In Sample	Glass Fibers 40%	Cellulose 5% Mineral Wool 35%	Cellulose 5% Mineral Wool 35%
Non-Fibrous Material:	Other 59% Paint <1% Other 100%	Other 56-58%	Other 56-58%

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Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8916	B17-11569	B17-11570
Sample ID No.	17-032.1-239	17-032.1-239-A	17-032.1-239-B
Sample Description	Built Up Roofing	Sub Sample of 17-032.1-239 Multi-Layered Roofing	Sub Sample of 17-032.1-239 Roofing
Sample Treatment	Teased/Dissolved Heated	Teased/Dissolved Heated	Teased/Dissolved Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	White/Black	Brown	Black
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	White Membrane N.D.  Black Paper N.D.	Brown Insulation N.D.	Roofing: Chrysotile 40-45%
Total % Asbestos	None	None	40-45%
Other Fibrous Material In Sample	Top Black Paper: Glass Fibers 5%	Brown Insulation: Cellulose 30%	Cellulose 30-35%
Non-Fibrous Material:	White Membrane Roofing: Synthetic 100%  Top Black Paper: Tar 95%	Brown Insulation: Aggregate 30% Tar 40%	Tar 25%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11571	B17-8917	B17-8918
Sample ID No.	17-032.1-239-C	17-032.1-240	17-032.1-241
Sample Description	Sub Sample of 17-032.1-239 Roofing	Built Up Roofing	Caulking
Sample Treatment	Teased/Heated		Teased/Heated
Homogeneous	Yes		Yes
Layered	No		No
Fibrous	Yes		Yes
Sample Color	Black/Brown		Gray
Asbestos Present	No		No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Brown Layer N.D.	Not analyzed as per Customer.	N.D.
Total % Asbestos	None		None
Other Fibrous Material In Sample	Wood 94%		Cellulose 10%
Non-Fibrous Material:	Tar <1% Binder/Filler 5%		Other 90%

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Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8919	B17-8920	B17-11572
Sample ID No.	17-032.1-242	17-032.1-243	17-032.1-243-A
Sample Description	Caulking	Parapet Walls	Sub Sample of 17-032.1-243 Black Layer
Sample Treatment	Teased/Heated	Teased/Crushed Heated	Teased/Dissolved Heated
Homogeneous	Yes	No	Yes
Layered	No	Yes	No
Fibrous	Yes	Yes	Yes
Sample Color	Gray	Silver/Gray	Black/Gray
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Silver Paint N.D.  Gray Layer N.D.	Black Layer: Chrysotile 7-10%
Total % Asbestos	None	None	7-10%
Other Fibrous Material In Sample	Cellulose 10%	Silver Paint: Cellulose <1%	
Non-Fibrous Material:	Other 90%	Silver Paint: Other 99%  Gray Layer: Aggregate 45% Quartz 20% Mica <1% Other 34%	Other 90-93%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11573	B17-8921	B17-8922
Sample ID No.	17-032.1-243-B	17-032.1-244	17-032.1-245
Sample Description	Sub Sample of 17-032.1-243 Tar Layer & Off White Layer	Parapet Walls	Mastic
Sample Treatment	Teased/Dissolved Heated		Teased/Heated
Homogeneous	No		No
Layered	Yes		Yes
Fibrous	Yes		No
Sample Color	Black/Off White		Black/Tan
Asbestos Present	No		No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Tar Layer N.D.  Off White Layer N.D.	Not analyzed as per Customer.	Black Layer N.D.  Tan Mastic N.D.
Total % Asbestos	None		None
Other Fibrous Material In Sample	Tar Layer: Glass Fibers 15%		
Non-Fibrous Material:	Tar Layer: Tar 85%  Off White Layer: Other 100%		Black Layer: Other 5% Foam 95%  Tan Mastic: Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8923	B17-8924	B17-8925
Sample ID No.	17-032.1-246	17-032.1-247	17-032.1-248
Sample Description	Mastic	Carpet ADH	Carpet ADH
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Black/Tan	Gold	Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Black Layer N.D.  Tan Mastic N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Black Layer: Other 5% Foam 95%  Tan Mastic: Other 100%	Other 100%	Other 100%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8926	B17-8927	B17-8928
Sample ID No.	17-032.1-249	17-032.1-250	17-032.1-251
Sample Description	Ceramic Tile w/ ADH	Ceramic Tile w/ ADH	Ceramic Tile w/ Grout
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Crushed Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	White/Gold	White/Gold	Brown/White Gray/Green
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.	Ceramic Tile N.D.	Ceramic Tile N.D.
1. Chrysotile	Gold Mastic N.D.	Gold Mastic N.D.	Grout N.D.
2. Amosite			
3. Crocidolite			Green Mastic N.D.
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%
	Gold Mastic: Other 100%	Gold Mastic: Other 100%	Grout: Quartz 60% Other 40%
			Green Mastic: Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8929	B17-8930	B17-8931
Sample ID No.	17-032.1-252	17-032.1-253	17-032.1-254
Sample Description	Ceramic Tile w/ Grout	Brick Mortar	Brick Mortar
Sample Treatment	Teased/Crushed Heated	Teased/Crushed	Teased/Crushed
Homogeneous	No	Yes	Yes
Layered	Yes	No	No
Fibrous	No	No	No
Sample Color	Brown/White Gray/Green	Gray	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.  Grout N.D.  Green Mastic N.D.	N.D.	N.D.
1. Chrysotile			
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%  Grout: Quartz 60% Other 40%  Green Mastic: Other 100%	Aggregate 45% Quartz 20% Mica <1% Other 34%	Aggregate 45% Quartz 20% Mica <1% Other 34%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8932	B17-8933	B17-8934
Sample ID No.	17-032.1-255	17-032.1-256	17-032.1-257
Sample Description	Ceramic Tile w/ Grout	Ceramic Tile w/ Grout	Caulking
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Heated
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	No	No	No
Sample Color	Green/Brown Gray/Tan	Green/Brown Gray/Tan	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage	Ceramic Tile N.D.	Ceramic Tile N.D.	N.D.
1. Chrysotile	Grout N.D.	Grout N.D.	
2. Amosite			
3. Crocidolite	Tan Mastic N.D.	Tan Mastic N.D.	
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Ceramic Tile: Other 100%	Ceramic Tile: Other 100%	Other 100%
	Grout: Quartz 40% Aggregate <1% Other 59%	Grout: Quartz 40% Aggregate <1% Other 59%	
	Tan Mastic: Other 100%	Tan Mastic: Other 100%	

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8935	B17-8936	B17-8937
Sample ID No.	17-032.1-258	17-032.1-259	17-032.1-260
Sample Description	Caulking	Concrete	Concrete
Sample Treatment	Teased/Heated	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	Gray	Gray	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Concrete 100%	Concrete 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8938	B17-8939	B17-8940
Sample ID No.	17-032.1-261	17-032.1-262	17-032.1-263
Sample Description	Concrete	Concrete	Ceramic Tile w/ ADH
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed Heated
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	No	No	No
Sample Color	Gray	Gray	White/Off White Pale Yellow
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Ceramic Tile N.D.  Grout N.D.  Pale Yellow Mastic N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Concrete 100%	Concrete 100%	Ceramic Tile: Other 100%  Grout: Quartz 60% Other 40%  Pale Yellow Mastic: Other 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8941	B17-8942	B17-11574
Sample ID No.	17-032.1-264	17-032.1-265	17-032.1-265-A
Sample Description	Ceramic Tile w/ ADH	Membrane Over Insulation BUR	Sub Sample of 17-032.1-265 Brown Layer
Sample Treatment	Teased/Crushed Heated	Teased/Heated	Teased
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	No	Yes	Yes
Sample Color	White/Pale Yellow	Gray/White	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Ceramic Tile N.D.  Pale Yellow Mastic N.D.	Gray & White Layer N.D.	Brown Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Synthetic 35%	Wood 95%
Non-Fibrous Material:	Ceramic Tile: Other 100%  Pale Yellow Mastic: Other 100%	Other 65%	Binder/Filler 5%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11575	B17-11576	B17-8943
Sample ID No.	17-032.1-265-B	17-032.1-265-C	17-032.1-266
Sample Description	Sub Sample of 17-032.1-265 Multi-Layered Roofing	Sub Sample of 17-032.1-265 Tar Layer & Brown Layer	Membrane Over Insulation BUR
Sample Treatment	Teased/Dissolved Heated	Teased/Dissolved Heated	
Homogeneous	No	No	
Layered	Yes	Yes	
Fibrous	Yes	Yes	
Sample Color	Black	Black/Brown	
Asbestos Present	Yes	No	
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Multi-Layered Roofing: Chrysotile 40-45%	Tar Layer N.D.  Brown Layer N.D.	Not analyzed as per Customer.
Total % Asbestos	40-45%	None	
Other Fibrous Material In Sample	Cellulose 30-35%	Brown Layer: Cellulose 15%	
Non-Fibrous Material:	Tar 25%	Tar Layer: Tar 100%  Brown Layer: Perlite 60% Binder/Filler 25%	

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8944	B17-8945	B17-8946
Sample ID No.	17-032.1-267	17-032.1-268	17-032.1-269
Sample Description	Caulk	Caulk	Tar Coating
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	Yes
Sample Color	White	White	Black/Gray
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	Chrysotile 7-10%
Total % Asbestos	None	None	7-10%
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Other 100%	Tar 90-93%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8947	B17-8948	B17-11577
Sample ID No.	17-032.1-270	17-032.1-271	17-032.1-271-A
Sample Description	Tar Coating	Membrane Over Foam	Sub Sample of 17-032.1-271 Green Layer
Sample Treatment		Teased/Heated	Teased/Heated
Homogeneous		No	Yes
Layered		Yes	No
Fibrous		Yes	No
Sample Color		Gray/White	Green
Asbestos Present		No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Not analyzed as per Customer.	Gray & White Layer N.D.	Green Layer N.D.
Total % Asbestos		None	None
Other Fibrous Material In Sample		Synthetic 35%	
Non-Fibrous Material:		Other 65%	Foam 100%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11578	B17-11579	B17-8949
Sample ID No.	17-032.1-271-B	17-032.1-271-C	17-032.1-272
Sample Description	Sub Sample of 17-032.1-271 Multi-Layered Roofing	Sub Sample of 17-032.1-271 Paper Layer & Yellow Layer	Membrane Over Foam
Sample Treatment	Teased/Dissolved Heated	Teased/Heated	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Black	Black/Yellow	Gray/White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Multi-Layered Roofing N.D.	Paper Layer N.D.  Yellow Layer N.D.	Gray & White Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Glass Fibers 45%	Yellow Layer: Glass Fibers <1%  Paper Layer: Cellulose 70%	Synthetic 35%
Non-Fibrous Material:	Tar 54% Aggregate <1%	Yellow Layer: Foam 99%  Paper Layer: Tar 30%	Other 65%

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11580	B17-11581	B17-11582
Sample ID No.	17-032.1-272-A	17-032.1-272-B	17-032.1-272-C
Sample Description	Sub Sample of 17-032.1-272 Green Layer	Sub Sample of 17-032.1-272 Multi-Layered Roofing	Sub Sample of 17-032.1-272 Paper Layer & Yellow Layer
Sample Treatment	Teased/Heated	Teased/Dissolved Heated	Teased/Heated
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	Yes	Yes
Sample Color	Green	Black	Black/Yellow
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Green Layer N.D.	Multi-Layered Roofing N.D.	Paper Layer N.D.  Yellow Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Glass Fibers 45%	Yellow Layer: Glass Fibers <1%  Paper Layer: Cellulose 70%
Non-Fibrous Material:	Foam 100%	Tar 54% Aggregate <1%	Yellow Layer: Foam 99%  Paper Layer: Tar 30%

Date Analyzed: March 16, 2017

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8950	B17-8951	B17-8952
Sample ID No.	17-032.1-273	17-032.1-274	17-032.1-275
Sample Description	Caulking	Caulking	Fiberglass Insulation
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Heated
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	No	No	Yes
Sample Color	Gray	Gray	Silver/Yellow/Clear White/Tan
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			Glass Fibers 30% Cellulose 25%
Non-Fibrous Material:	Other 100%	Other 100%	Foil 10% Mastic 20% Other 15%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8953	B17-8954	B17-8955
Sample ID No.	17-032.1-276	17-032.1-277	17-032.1-278
Sample Description	Fiberglass Insulation	Cloth Dampener	Cloth Dampener
Sample Treatment	Teased/Heated	Teased	Teased
Homogeneous	No	Woven	Woven
Layered	Yes	Woven	Woven
Fibrous	Yes	Yes	Yes
Sample Color	Silver/Yellow/Clear White/Tan	Gray/Brown	Gray/Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Glass Fibers 30% Cellulose 25%	Cellulose 98%	Cellulose 98%
Non-Fibrous Material:	Foil 10% Mastic 20% Other 15%	Soil <1% Binder/Filler <1%	Soil <1% Binder/Filler <1%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Todd Lewis**  
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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-8956	B17-11583	B17-11584
Sample ID No.	17-032.1-279	17-032.1-279-A	17-032.1-279-B
Sample Description	Built Up Roofing	Sub Sample of 17-032.1-279 Roofing	Sub Sample of 17-032.1-279 Multi-Layered Roofing
Sample Treatment	Teased/Dissolved Heated	Teased/Dissolved Heated	Teased/Dissolved Heated
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	White/Black	Black	Black
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	White Membrane N.D.  Paper Layer N.D.	Roofing N.D.	Multi-Layered Roofing: Chrysotile 40-45%
Total % Asbestos	None	None	40-45%
Other Fibrous Material In Sample	Tar Paper: Cellulose 80%	Glass Fibers 30%	Cellulose 30-35%
Non-Fibrous Material:	Tar Paper: 20%	Tar 70%	Tar 25%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES BULK SAMPLE ANALYSIS FOR ASBESTOS

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11585	B17-9057	B17-9058
Sample ID No.	17-032.1-279-C	17-032.1-280	17-032.1-281
Sample Description	Sub Sample of 17-032.1-279 Tar Layer & Brown Layer	Built Up Roofing	Membrane BUR
Sample Treatment	Teased/Dissolved		Teased/Heated
Homogeneous	No		No
Layered	Yes		Yes
Fibrous	Yes		Yes
Sample Color	Black/Brown		Gray/Tan
Asbestos Present	No		No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Tar Layer N.D.  Brown Layer N.D.	Not analyzed as per Customer.	Gray & Tan Layer N.D.
Total % Asbestos	None		None
Other Fibrous Material In Sample	Brown Layer: Cellulose 35%		Synthetic 35%
Non-Fibrous Material:	Brown Layer: Perlite 40% Binder/Filler 25%  Tar Layer: Tar 100%		Other 65%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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## BULK SAMPLE ANALYSIS FOR ASBESTOS

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11586	B17-11587	B17-9059
Sample ID No.	17-032.1-281-A	17-032.1-281-B	17-032.1-282
Sample Description	Sub Sample of 17-032.1-281 Sheetrock	Sub Sample of 17-032.1-281 Tar Layer	Membrane BUR
Sample Treatment	Teased/Crushed	Teased/Crushed Dissolved	Teased/Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	No	Yes
Sample Color	Brown/White	Black	Gray/Tan
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Sheetrock N.D.	Tar Layer N.D.	Gray & Tan Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 5%		Synthetic 35%
Non-Fibrous Material:	Binder/Filler 5% Gypsum 90%	Tar 100%	Other 65%

Date Analyzed: March 16, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11588	B17-11589	B17-9060
Sample ID No.	17-032.1-282-A	17-032.1-282-B	17-032.1-283
Sample Description	Sub Sample of 17-032.1-282 Sheetrock	Sub Sample of 17-032.1-282 Tar Layer	Caulking
Sample Treatment	Teased/Crushed	Teased/Crushed Dissolved	Teased/Heated
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	Yes	No	No
Sample Color	Brown/White	Black	Off White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Sheetrock N.D.	Tar Layer N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 5%		
Non-Fibrous Material:	Binder/Filler 5% Gypsum 90%	Tar 100%	Other 100%

Date Analyzed: March 16 & 17, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-9061	B17-9062	B17-9063
Sample ID No.	17-032.1-284	17-032.1-285	17-032.1-286
Sample Description	Caulking	Built-up Roofing	Built-up Roofing
Sample Treatment	Teased/Heated	Teased/Dissolved Heated	Teased/Dissolved Heated
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	Yes	Yes
Sample Color	Off White	Silver/Black	Silver/Black
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Silver Paint N.D.  Tar Layers N.D.	Silver Paint N.D.  Tar Layers N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Tar Layers: Glass Fibers 10%	Tar Layers: Glass Fibers 10%
Non-Fibrous Material:	Other 100%	Silver Paint: Other 100%  Tar Layers: Tar 90%	Silver Paint: Other 100%  Tar Layers: Tar 90%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11590	B17-9064	B17-11591
Sample ID No.	17-032.1-286-A	17-032.1-287	17-032.1-287-A
Sample Description	Sub Sample of 17-032.1-286 Orange Layer	Membrane Roofing	Sub Sample of 17-032.1-287 Tar Layer & Paper Layer
Sample Treatment	Teased/Crushed	Teased/Dissolved Heated	Teased/Dissolved Heated
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	Yes	Yes
Sample Color	Orange	Black	Black
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Orange Layer N.D.	Roofing N.D.	Tar Layer N.D.  Paper Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Synthetic 30% Glass Fibers <1%	Paper Layer: Cellulose 80%
Non-Fibrous Material:	Aggregate 35% Quartz 15% Mica <1% Other 49%	Tar 68% Other <1%	Tar Layer: Tar 100%  Paper Layer: Tar 20%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11592	B17-11593	B17-11594
Sample ID No.	17-032.1-287-B	17-032.1-287-C	17-032.1-287-D
Sample Description	Sub Sample of 17-032.1-287 Yellow Layer	Sub Sample of 17-032.1-287 Brown Layer	Sub Sample of 17-032.1-287 Multi-Layered Roofing
Sample Treatment	Teased/Heated	Teased	Teased/Dissolved Heated
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	No	Yes	Yes
Sample Color	Yellow	Brown	Black
Asbestos Present	No	No	Yes
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Yellow Layer N.D.	Brown Layer N.D.	Multi-Layered Roofing: Chrysotile 40-45%
Total % Asbestos	None	None	40-45%
Other Fibrous Material In Sample		Cellulose 55%	Cellulose 30-35% Glass Fibers <1%
Non-Fibrous Material:	Foam 100%	Perlite 30% Binder/Filler 15%	Tar 24%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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## BULK SAMPLE ANALYSIS FOR ASBESTOS

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**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11595	B17-9065	B17-9066
Sample ID No.	17-032.1-287-E	17-032.1-288	17-032.1-289
Sample Description	Sub Sample of 17-032.1-287 Brown Layer	Membrane Roofing	Stucco
Sample Treatment	Teased		Teased/Crushed Dissolved
Homogeneous	Yes		No
Layered	No		Yes
Fibrous	Yes		No
Sample Color	Brown		Gray/White
Asbestos Present	No		No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Brown Layer N.D.	Not analyzed as per Customer.	Gray Layer N.D.  White Layer N.D.
Total % Asbestos	None		None
Other Fibrous Material In Sample	Wood 95%		
Non-Fibrous Material:	Binder/Filler 5%		Gray Layer: Aggregate 40% Quartz 20% Mica <1% Other 39%  White Layer: Quartz 40% Other 35% Paint 25% Other 100%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-9067	B17-9068	B17-9069
Sample ID No.	17-032.1-290	17-032.1-291	17-032.1-292
Sample Description	Stucco	Stucco	Stucco
Sample Treatment	Teased/Crushed Dissolved	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Gray/White	Light Gray/White	Light Gray/White
Asbestos Present	No	No	No
Asbestos Type and Percentage	Gray Layer N.D.  White Layer N.D.	Light Gray Layer N.D.  White Layer N.D.	Light Gray Layer N.D.  White Layer N.D.
1. Chrysotile			
2. Amosite			
3. Crocidolite			
4. Other			
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Gray Layer: Aggregate 40% Quartz 20% Mica <1% Other 39%  White Layer: Quartz 40% Other 35% Paint 25% Other 100%	Light Gray Layer: Aggregate 45% Quartz 20% Mica <1% Other 34%  White Layer: Quartz 40% Other 59% Paint <1% Other 100%	Light Gray Layer: Aggregate 45% Quartz 20% Mica <1% Other 34%  White Layer: Quartz 40% Other 59% Paint <1% Other 100%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11596	B17-9070	B17-9071
Sample ID No.	17-032.1-292-A	17-032.1-293	17-032.1-294
Sample Description	Sub Sample of 17-032.1-292 Gray Layer	Stucco	Stucco
Sample Treatment	Teased/Crushed	Teased/Crushed Dissolved	Teased/Crushed Dissolved
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	No	No
Sample Color	Gray	Light Gray/White	White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Gray Layer N.D.	Light Gray Layer N.D.  White Layer N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Aggregate 40% Quartz 20% Mica <1% Other 39%	Light Gray Layer: Aggregate 45% Quartz 20% Mica <1% Other 34%  White Layer: Quartz 40% Other 59% Paint <1% Other 100%	Quartz 60% Other 39% Paint <1% Other 100%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-9072	B17-9073	B17-11597
Sample ID No.	17-032.1-295	17-032.1-296	17-032.1-296-A
Sample Description	Stucco	Built Up Roofing	Sub Sample of 17-032.1-296 Brown Layer
Sample Treatment	Teased/Crushed Dissolved	Teased	Teased
Homogeneous	No	No	Yes
Layered	Yes	Yes	No
Fibrous	No	Yes	Yes
Sample Color	White	White/Brown	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	White Layer N.D.  Brown Layer N.D.	Brown Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample		Cellulose 5%	Cellulose 55%
Non-Fibrous Material:	Aggregate 5% Quartz 55% Other 39% Paint <1% Other 100%	Binder/Filler <1% Foam 94%	Binder/Filler 15% Perlite 30%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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## BULK SAMPLE ANALYSIS FOR ASBESTOS

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**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11598	B17-11599	B17-9074
Sample ID No.	17-032.1-296-B	17-032.1-296-C	17-032.1-297
Sample Description	Sub Sample of 17-032.1-296 Yellow Layer	Sub Sample of 17-032.1-296 Tar Layer & Tar Paper	Built Up Roofing
Sample Treatment	Teased/Heated	Teased/Dissolved Heated	Teased
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Gray/Yellow	Black	White/Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Yellow Layer N.D.	Tar Layer N.D.  Tar Paper N.D.	White Layer N.D.  Brown Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 10% Glass Fibers <1%	Tar Paper: Cellulose 80%	Cellulose 5%
Non-Fibrous Material:	Foam 88% Binder/Filler <1%	Tar Layer: Tar 100%  Tar Paper: Tar 20%	Binder/Filler <1% Foam 94%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11600	B17-11601	B17-11602
Sample ID No.	17-032.1-297-A	17-032.1-297-B	17-032.1-297-C
Sample Description	Sub Sample of 17-032.1-297 Brown Layer	Sub Sample of 17-032.1-297 Yellow Layer	Sub Sample of 17-032.1-297 Tar Layer & Tar Paper
Sample Treatment	Teased	Teased/Heated	Teased/Dissolved Heated
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Brown	Gray/Yellow	Black
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Brown Layer N.D.	Yellow Layer N.D.	Tar Layer N.D.  Tar Paper N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 55%	Cellulose 10% Glass Fibers <1%	Tar Paper: Cellulose 80%
Non-Fibrous Material:	Binder/Filler 15% Perlite 30%	Foam 88% Binder/Filler <1%	Tar Layer: Tar 100%  Tar Paper: Tar 20%

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11603		
Sample ID No.	17-032.1-297-D		
Sample Description	Sub Sample of 17-032.1-297 Brown Layer		
Sample Treatment	Teased		
Homogeneous	Yes		
Layered	No		
Fibrous	Yes		
Sample Color	Brown		
Asbestos Present	No		
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Brown Layer N.D.		
Total % Asbestos	None		
Other Fibrous Material In Sample	Wood 95%		
Non-Fibrous Material:	Binder/Filler 5%		

Date Analyzed: March 17, 2017

Analyzed By: Lisa Meade

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# Mountain Consulting Services

9922 E Montgomery Drive, Suite 9  
Spokane Valley, Washington 99206

# Chain of Custody

ACM Bulk Sample Data for PLM Analysis  
office (509) 924-9236 fax (509) 924-2287

3 hr Rush	3 Day Turnaround
24 hr Rush	5 Day Turnaround
2 Day Turnaround	X 10 Day Turnaround
X Analyze to 1 <sup>st</sup> positive on sets of 2 or more	

(Test of 1 of 12)

Inspection Date: Feb 28 & March 1, 2017

Project: Good Faith Asbestos Survey Project # 17-032.1

Client: LB Stone

Bldg Name & #: YWCA Facility

Address: 829 W. Broadway Ave., Spokane, WA

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	01	Women's Locker Room	1" Tan Ceramic Tile and Grout	See Map		
17-032.1	02	Women's Locker Room	1" Tan Ceramic Tile and Grout			
17-032.1	03	Women's Locker Room	1" Blue Ceramic Tile with Grout			
17-032.1	04	Women's Locker Room	1" Blue Ceramic Tile with Grout			
17-032.1	05	Gym Entry	Beige 9x9 VFT with Black Mastic			
17-032.1	06	Gym Entry	Beige 9x9 VFT with Black Mastic			
17-032.1	07	Break Room / Game Room	12x12 White VFT with ADH			
17-032.1	08	Break Room / Game Room	12x12 White VFT with ADH			
17-032.1	09	Kitchen	GRN VSF with Gold Mastic			
17-032.1	10	Kitchen	GRN VSF with Gold Mastic			
17-032.1	11	Kitchen	Gray VCB with ADH			
17-032.1	12	Kitchen	Gray VCB with ADH			
17-032.1	13	Women's Shower	GRN Ceramic Tile with Grout			
17-032.1	14	Women's Shower	GRN Ceramic Tile with Grout			
17-032.1	15	Bathroom; off Kitchen	GRN 1" Ceramic Tile with Grout			
17-032.1	16	Bathroom; off Kitchen	GRN 1" Ceramic Tile with Grout			
RELEASED BY: Signature: 	RECEIVED BY: Mounaja Laboratories Signature: <i>Brian Pullman</i>		DELIVERY METHOD: <i>Hand</i>	CONDITION: <i>Good</i>	DATE/TIME RECEIVED: <i>9 AM 3-6-17</i>	

Page \_\_\_ of \_\_\_



# Bulk Sample Data Sheet (Continued)

## Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	17	Staff Bathroom	White Silicom	See Map		
17-032.1	18	Staff Bathroom	White Silicom			
17-032.1	19	Men's Shower	Yellow Ceramic Tile with Grout			
17-032.1	20	Men's Shower	Yellow Ceramic Tile with Grout			
17-032.1	21	Men's Locker Room	Beige VCB with ADH			
17-032.1	22	Men's Locker Room	Beige VCB with ADH			
17-032.1	23	2nd Floor; of Gym Building	Wood Floor with BRN ADH			
17-032.1	24	2nd Floor; of Gym Building	Wood Floor with BRN ADH			
17-032.1	25	Game Room	Black VCB with ADH			
17-032.1	26	Game Room	Black VCB with ADH			
17-032.1	27	2nd Floor HVAC Room	White Skim Coat			
17-032.1	28	2nd Floor HVAC Room	White Skim Coat			
17-032.1	29	2nd Floor HVAC Room	White Skim Coat			
17-032.1	30	2nd Floor HVAC Room	White Skim Coat			
17-032.1	31	2nd Floor HVAC Room	White Skim Coat			
17-032.1	32	1st Floor Kitchen	White Skim Coat			
17-032.1	33	1st Floor Kitchen	White Skim Coat			
17-032.1	34	1st Floor Foray	Cray CMU Brick Mortar			
17-032.1	35	1st Floor Foray	Cray CMU Brick Mortar			
17-032.1	36	Gym	Black VCB with ADH			
17-032.1	37	Gym	Black VCB with ADH			
17-032.1	38	Gym Wall	Blue Texture			

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Page \_\_\_ of \_\_\_

# Bulk Sample Data Sheet (Continued)

## Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	39	Gym Wall	Blue Texture			
17-032.1	40	Gym Wall	Blue Texture			
17-032.1	41	2nd Floor HVAC Room	Drywall / Joint Compound / Composite			
17-032.1	42	2nd Floor HVAC Room	Drywall / Joint Compound / Composite			
17-032.1	43	1st Floor; Game Room	Gray Plaster			
17-032.1	44	1st Floor; Game Room	Gray Plaster			
17-032.1	45	1st Floor; Game Room	Gray Plaster			
17-032.1	46	Men's Shower	Yellow Ceramic Tile with ADH			
17-032.1	47	Men's Shower	Yellow Ceramic Tile with ADH			
17-032.1	48	1st Floor Office	WHT VSF with ADH			
17-032.1	49	1st Floor Office	WHT VSF with ADH			
17-032.1	50	2nd Floor HVAC Room	Silver Insulation Backing			
17-032.1	51	2nd Floor HVAC Room	Silver Insulation Backing			
17-032.1	52	2nd Floor HVAC Room	Black Rubber HVAC Dampener			
17-032.1	53	2nd Floor HVAC Room	Black Rubber HVAC Dampener			
17-032.1	54	2nd Floor HVAC Room	Black Cloth HVAC Dampener			
17-032.1	55	2nd Floor HVAC Room	Black Cloth HVAC Dampener			
17-032.1	56	Men's Locker Room	White Formica with ADH			
17-032.1	57	Men's Locker Room	White Formica with ADH			
17-032.1	58	Pool Area	Gray Plaster			
17-032.1	59	Pool Area	Gray Plaster			

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Page \_\_\_ of \_\_\_

17-032.1	60	Pool Area	Gray Plaster		
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# Bulk Sample Data Sheet (Continued)

## Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	61	Pool Area	Green Ceramic Tile with Grout			
17-032.1	62	Pool Area	Green Ceramic Tile with Grout			
17-032.1	63	Pool Area	Black Acoustical Tile		Walls	
17-032.1	64	Pool Area	Black Acoustical Tile			
17-032.1	65	Pool Area	Brown Adhesive associated with Black Acoustical Tile		Walls	
17-032.1	66	Pool Area	Brown Adhesive associated with Black Acoustical Tile			
17-032.1	67	Boiler Room	Holding Tank TSI Material		7' x 40'	
17-032.1	68	Boiler Room	Holding Tank TSI Material		7' x 40'	
17-032.1	69	Boiler Room	Holding Tank TSI Material		7' x 40'	
17-032.1	70	Exhaust Vent in Boiler Room	TSI Boiler Jacket		20' L x 20" Diameter	
17-032.1	71	Exhaust Vent in Boiler Room	TSI Boiler Jacket		20' L x 20" Diameter	
17-032.1	72	Exhaust Vent in Boiler Room	TSI Boiler Jacket		20' L x 20" Diameter	
17-032.1	73	Converter #2 in Boiler Room	TSI Jacket		4' L x 20" Diameter	
17-032.1	74	Converter #2 in Boiler Room	TSI Jacket		4' L x 20" Diameter	
17-032.1	75	Converter #2 in Boiler Room	TSI Jacket		4' L x 20" Diameter	
17-032.1	76	Hot Water Tank	TSI Jacket		4' Diameter x 11' Length	
17-032.1	77	Hot Water Tank	TSI Jacket		4' Diameter x 11' Length	
17-032.1	78	Hot Water Tank	TSI Jacket		4' Diameter x 11' Length	
17-032.1	79	Boiler Room	Black ADH on Fiberglass Piping			
17-032.1	80	Boiler Room	Black ADH on Fiberglass			

Page \_\_\_ of \_\_\_

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				Piping				
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**Bulk Sample Data Sheet (Continued)**  
*Chain of Custody*

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	81	Boiler Room	Black Cloth Dampener			
17-032.1	82	Boiler Room	Black Cloth Dampener			
17-032.1	83	Boiler Room	Black / Brown Insulation on the Holding Tank Wall			
17-032.1	84	Boiler Room	Black / Brown Insulation on the Holding Tank Wall			
17-032.1	85	Boiler Room	Gray Concrete			
17-032.1	86	Boiler Room	Gray Concrete			
17-032.1	87	Boiler Room	TSI Elbows		Approx 300	
17-032.1	88	Boiler Room	TSI Elbows		Approx 300	
17-032.1	89	Boiler Room	TSI Elbows		Approx 300	
17-032.1	90	Boiler Room	TSI Elbows		Approx 300	
17-032.1	91	Boiler Room	TSI Hangers		Approx 500	
17-032.1	92	Boiler Room	TSI Hangers		Approx 500	
17-032.1	93	Boiler Room	TSI Hangers		Approx 500	
17-032.1	94	Central Core Hallway	Black VCB with ADH		<b>Central Core</b>	
17-032.1	95	Central Core Hallway	Black VCB with ADH			
17-032.1	96	Dining Room	Beige VSF with ADH			
17-032.1	97	Dining Room	Beige VSF with ADH			
17-032.1	98	Dining Room	Drywall / Joint Compound / Composite			
17-032.1	99	Dining Room	Drywall / Joint Compound / Composite			
17-032.1	100	Hallway	9x9 Beige VFT with Black Mastic			
17-032.1	101	Hallway	9x9 Beige VFT with Black Mastic			
17-032.1	102	Dining Room	2' x 2' Ceiling Panels			

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# Bulk Sample Data Sheet (Continued)

## Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	103	Dining Room	2' x 2' Ceiling Panels			
17-032.1	104	Fire Place Room	2 x 4 Ceiling Panels			
17-032.1	105	Fire Place Room	2 x 4 Ceiling Panels			
17-032.1	106	Fire Place Room	Lite Blue VSF			
17-032.1	107	Fire Place Room	Lite Blue VSF			
17-032.1	108	Fire Place Room	Gray Plaster			
17-032.1	109	Fire Place Room	Gray Plaster			
17-032.1	110	Fire Place Room	Gray Plaster			
17-032.1	111	Fire Place Room	White Skim Coat			
17-032.1	112	Fire Place Room	White Skim Coat			
17-032.1	113	Fire Place Room	White Skim Coat			
17-032.1	114	Fireplace	Tan Ceramic Tile with ADH			
17-032.1	115	Fireplace	Tan Ceramic Tile with ADH			
17-032.1	116	Fireplace	Gray Mortar			
17-032.1	117	Fireplace	Gray Mortar			
17-032.1	118	Blue Room	Blue VCB with ADH			
17-032.1	119	Blue Room	Blue VCB with ADH			
17-032.1	120	Blue Room	Gold Carpet ADH			
17-032.1	121	Blue Room	Gold Carpet ADH			
17-032.1	122	Blue Room	Marble Pattern 9x9 VFT with Mastic			
17-032.1	123	Blue Room	Marble Pattern 9x9 VFT with Mastic			

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Page \_\_\_ of \_\_\_

17-032.1	124	Exterior Walls	Gray Brick Mortar		
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# Bulk Sample Data Sheet (Continued)

## Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	125	Exterior Walls	Gray Brick Mortar			
17-032.1	126	Entry	Gray Brick Mortar			
17-032.1	127	Entry	Gray Brick Mortar			
17-032.1	128	Room 42	White Wall Material			
17-032.1	129	Room 42	White Wall Material			
17-032.1	130	Room 42	White Wall Material			
17-032.1	131	Kitchen	Beige VSF			
17-032.1	132	Kitchen	Beige VSF			
17-032.1	133	Kitchen	12 x 12 White Ceiling Tile			
17-032.1	134	Kitchen	12 x 12 White Ceiling Tile			
17-032.1	135	Kitchen	Brown ADH Dots			
17-032.1	136	Kitchen	Brown ADH Dots			
17-032.1	137	Girls Bathroom	Ceramic Base with ADH			
17-032.1	138	Girls Bathroom	Ceramic Base with ADH			
17-032.1	139	Bathroom	Ceramic Tile with ADH			
17-032.1	140	Bathroom	Ceramic Tile with ADH			
17-032.1	141	Room 42	Counter Top Tile with Grout			
17-032.1	142	Room 42	Counter Top Tile with Grout			
17-032.1	143	Hallway	2 x 4 Ceiling Panels			
17-032.1	144	Hallway	2 x 4 Ceiling Panels			

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Page \_\_\_ of \_\_\_

17-032.1	145	2 <sup>nd</sup> Floor	Black Slip Barrier Paper		
17-032.1	146	2 <sup>nd</sup> Floor	Black Slip Barrier Paper		

### Bulk Sample Data Sheet (Continued)

#### Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	147	2 <sup>nd</sup> Floor	Gray Skim Coat over Cork			
17-032.1	148	2 <sup>nd</sup> Floor	Gray Skim Coat over Cork			
17-032.1	149	2 <sup>nd</sup> Floor	Gray Skim Coat over Cork			
17-032.1	150	2 <sup>nd</sup> Floor	2 x 2 White Ceiling Panels			
17-032.1	151	2 <sup>nd</sup> Floor	2 x 2 White Ceiling Panels			
17-032.1	152	Break Room	Gray VSF			
17-032.1	153	Break Room	Gray VSF			
17-032.1	154	Break Room	Beige VSF with ADH			
17-032.1	155	Break Room	Beige VSF with ADH			
17-032.1	156	Break Room	Gray VCB with ADH			
17-032.1	157	Break Room	Gray VCB with ADH			
17-032.1	158	Break Room Bathroom	White Ceramic Tile with ADH			
17-032.1	159	Break Room Bathroom	White Ceramic Tile with ADH			
17-032.1	160	Room 54	White Skim Coat			
17-032.1	161	Room 54	White Skim Coat			
17-032.1	162	Room 54	White Skim Coat			
17-032.1	163	Attic	Gray Blown In Insulation			
17-032.1	164	Attic	Gray Blown In Insulation			
17-032.1	165	Attic	Gray Blown In Insulation			
17-032.1	166	2 <sup>nd</sup> Floor	Gray Plaster			

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Page \_\_\_ of \_\_\_



17-032.1	167	2 <sup>nd</sup> Floor	Gray Plaster		
17-032.1	168	2 <sup>nd</sup> Floor	Gray Plaster		

# Bulk Sample Data Sheet (Continued)

## Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	169	2 <sup>nd</sup> Floor	Brown Glue Dots		Above Ceiling	
17-032.1	170	2 <sup>nd</sup> Floor	Brown Glue Dots			
17-032.1	171	2 <sup>nd</sup> Floor	Brown Cork Board			
17-032.1	172	2 <sup>nd</sup> Floor	Brown Cork Board			
17-032.1	173	Gym Wall	Blue/Yellow Panels with ADH		On Walls	
17-032.1	174	Gym Wall	Blue/Yellow Panels with ADH			
17-032.1	175	Gym Ceiling	White Ceiling Panel with Brown ADH			
17-032.1	176	Gym Ceiling	White Ceiling Panel with Brown ADH			
17-032.1	177	Hallway	9x9 Tile with Black Mastic		3 <sup>rd</sup> STORY BUILDING	
17-032.1	178	Hallway	9x9 Tile with Black Mastic			
17-032.1	179	Open Area	Beige VSF			
17-032.1	180	Open Area	Beige VSF			
17-032.1	181	Open Area	Gold Carpet ADH			
17-032.1	182	Open Area	Gold Carpet ADH			
17-032.1	183	Office Area	12x12 VFT with BLK Mastic			
17-032.1	184	Office Area	12x12 VFT with BLK Mastic			
17-032.1	185	Bathroom	Off White/Blue VSF			
17-032.1	186	Bathroom	Off White/Blue VSF			
17-032.1	187	Yellow Room	Beige VSF with ADH			

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17-032.1	188	Yellow Room	Beige VSF with ADH		
17-032.1	189	Yellow Room	Gray Pebble Pattern VSF		
17-032.1	190	Yellow Room	Gray Pebble Pattern VSF		

Bulk Sample Data Sheet (Continued)

*Chain of Custody*

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	191	Open Room	Black VCB with ADH			
17-032.1	192	Open Room	Black VCB with ADH			
17-032.1	193	Bathroom	Gold ADH on Panels		Wall	
17-032.1	194	Bathroom	Gold ADH on Panels			
17-032.1	195	Exterior Wall	Brick Mortar			
17-032.1	196	Exterior Wall	Brick Mortar			
17-032.1	197	Open Room	2x4 White Ceiling Panels			
17-032.1	198	Open Room	2x4 White Ceiling Panels			
17-032.1	199	East Room	Drywall/Joint Compound / Composite			
17-032.1	200	East Room	Drywall/Joint Compound / Composite			
17-032.1	201	Hallway	Fiberglass Duct ADH			
17-032.1	202	Hallway	Fiberglass Duct ADH			
17-032.1	203	Central Core	Browns Coating		In the 2 <sup>nd</sup> Floor of Central Core	
17-032.1	204	Central Core	Browns Coating		In the 2 <sup>nd</sup> Floor of Central Core	
17-032.1	205	Central Core	Browns Coating		In the 2 <sup>nd</sup> Floor of Central Core	
17-032.1	206	East Wall 1 <sup>st</sup> Floor	White Cloth Duct Wrap			
17-032.1	207	East Wall 1 <sup>st</sup> Floor	White Cloth Duct Wrap			
17-032.1	208	Closet	Drywall/ Joint Compound/ Composite		2 <sup>ND</sup> FLOOR	
17-032.1	209	Closet	Drywall/ Joint Compound/ Composite			

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17-032.1	210	Closet	Gray Concrete		
17-032.1	211	Closet	Gray Concrete		
17-032.1	212	2 <sup>nd</sup> Floor East Side	12x12 Blue VFT with ADH		

### Bulk Sample Data Sheet (Continued)

#### Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	213	2 <sup>nd</sup> Floor East Side	12x12 Blue VFT with ADH			
17-032.1	214	Bathroom	Ceramic Tiles with ADH		Floors	
17-032.1	215	Bathroom	Ceramic Tiles with ADH			
17-032.1	216	Bathroom	White Ceramic Tile with Grout		Walls	
17-032.1	217	Bathroom	White Ceramic Tile with Grout			
17-032.1	218	Reception Area	Carpet ADH			
17-032.1	219	Reception Area	Carpet ADH			
17-032.1	220	Doctors Office	2x4 White Ceiling Panel			
17-032.1	221	Doctors Office	2x4 White Ceiling Panel			
17-032.1	222	Doctors Office	Gray VCB with ADH			
17-032.1	223	Doctors Office	Gray VCB with ADH			
17-032.1	224	East Office Area	Brown Wood ADH			
17-032.1	225	East Office Area	Brown Wood ADH			
17-032.1	226	2 <sup>nd</sup> Floor West End	Carpet ADH			
17-032.1	227	2 <sup>nd</sup> Floor West End	Carpet ADH			
17-032.1	228	2 <sup>nd</sup> Floor; North Office	Red Flooring			
17-032.1	229	2 <sup>nd</sup> Floor; North Office	Red Flooring			
17-032.1	230	2 <sup>nd</sup> Floor	White Texture Ceiling Panel			

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Page \_\_\_ of \_\_\_

17-032.1	231	2 <sup>nd</sup> Floor	White Texture Ceiling Panel		
17-032.1	232	Elevator Area	12x12 Black VFT		
17-032.1	233	Elevator Area	12x12 Black VFT		
17-032.1	234	North Office Area	Orange Wall Texture		

**Bulk Sample Data Sheet (Continued)**  
*Chain of Custody*

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	235	North Office Area	Orange Wall Texture			
17-032.1	236	North Office Area	Orange Wall Texture			
17-032.1	237	2 <sup>nd</sup> Floor	TSI Elbows			
17-032.1	238	2 <sup>nd</sup> Floor	TSI Hangers			
17-032.1	239	3 <sup>rd</sup> Story Roof	Black Built Up Roofing			
17-032.1	240	3 <sup>rd</sup> Story Roof	Black Built Up Roofing			
17-032.1	241	3 <sup>rd</sup> Story Roof	Gray Caulking			
17-032.1	242	3 <sup>rd</sup> Story Roof	Gray Caulking			
17-032.1	243	3 <sup>rd</sup> Story Roof	Parapet Walls			
17-032.1	244	3 <sup>rd</sup> Story Roof	Parapet Walls			
17-032.1	245	3 <sup>rd</sup> Floor South Office	Black Mastic		3 <sup>rd</sup> FLOOR	
17-032.1	246	3 <sup>rd</sup> Floor South Office	Black Mastic			
17-032.1	247	3 <sup>rd</sup> Floor	Gold Carpet ADH			
17-032.1	248	3 <sup>rd</sup> Floor	Gold Carpet ADH			
17-032.1	249	3 <sup>rd</sup> Floor Restroom	White Ceramic Tile with ADH		Walls	
17-032.1	250	3 <sup>rd</sup> Floor Restroom	White Ceramic Tile with ADH			
17-032.1	251	3 <sup>rd</sup> Floor Restroom	Ceramic Tile with Grout		Floors	

Mountain Laboratories      Brianna Pullman      Hand Good      9 AM 3-6-17

17-032.1	252	3 <sup>rd</sup> Floor Restroom	Ceramic Tile with Grout		
17-032.1	253	Entry	Gray Brick Mortar		
17-032.1	254	Entry	Gray Brick Mortar		
17-032.1	255	North Exterior Wall	1" Ceramic Tile with Grout		
17-032.1	256	North Exterior Wall	1" Ceramic Tile with Grout		

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## Bulk Sample Data Sheet (Continued)

## Chain of Custody

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	257	Tilt Up Seams	Gray Caulking	See Map	Gym	
17-032.1	258	Tilt Up Seams	Gray Caulking			
17-032.1	259	Tilt Up Walls	Gray Concrete			
17-032.1	260	Tilt Up Walls	Gray Concrete			
17-032.1	261	Side Walks	Gray Concrete			
17-032.1	262	Side Walks	Gray Concrete			
17-032.1	263	S.E. Wall	Red Ceramic Tile with ADH			
17-032.1	264	S.E. Wall	Red Ceramic Tile with ADH			
17-032.1	265	1965 YWCA	White Membrane over Insulation BUR			
17-032.1	266	1965 YWCA	White Membrane over Insulation BUR			
17-032.1	267	1965 YWCA	White Caulk			
17-032.1	268	1965 YWCA	White Caulk			
17-032.1	269	1965 YWCA	Silver Tar Coating		On Dog House	
17-032.1	270	1965 YWCA	Silver Tar Coating			
17-032.1	271	Central Core Roof	White Membrane over Green Foam			
17-032.1	272	Central Core Roof	White Membrane over Green Foam			
17-032.1	273	2nd Floor Windows	White Caulking			
17-032.1	274	2nd Floor Windows	White Caulking			
17-032.1	275	Solar Room	Silver/ White Fiberglass Insulation			
17-032.1	276	Solar Room	Silver/ White Fiberglass Insulation			
17-032.1	277	HVAC Room	Black Cloth Dampener			
17-032.1	278	HVAC Room	Black Cloth Dampener			

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Page \_\_\_ of \_\_\_

**Bulk Sample Data Sheet (Continued)**  
*Chain of Custody*

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	279	2 <sup>nd</sup> Floor Door Entry	Built Up Roofing			
17-032.1	280	2 <sup>nd</sup> Floor Door Entry	Built Up Roofing			
17-032.1	281	3 <sup>rd</sup> Floor	White Membrane BUR			
17-032.1	282	3 <sup>rd</sup> Floor	White Membrane BUR			
17-032.1	283	3 <sup>rd</sup> Floor Roof	White Caulking			
17-032.1	284	3 <sup>rd</sup> Floor Roof	White Caulking			
17-032.1	285	3 <sup>rd</sup> Floor Parapet Wall	Silver / Black Built up Roofing			
17-032.1	286	3 <sup>rd</sup> Floor Parapet Wall	Silver / Black Built up Roofing			
17-032.1	287	Solar Roof	White Membrane Roofing			
17-032.1	288	Solar Roof	White Membrane Roofing			
17-032.1	289	Exterior Walls	Stucco Material			
17-032.1	290	Exterior Walls	Stucco Material			
17-032.1	291	Exterior Walls	Stucco Material			
17-032.1	292	Exterior Walls	Stucco Material			
17-032.1	293	Exterior Walls	Stucco Material			
17-032.1	294	Exterior Walls	Stucco Material			
17-032.1	295	Exterior Walls	Stucco Material			
17-032.1	296	HVAC Roof Deck	Built Up Roofing			
17-032.1	297	HVAC Roof Deck	Built Up Roofing			
17-032.1						
17-032.1						

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Spokane Valley, WA 99206  
(509) 922-1365 • Fax (509) 922-1380



NVLAP LAB CODE 101890-0

**March 20, 2017**

**Mountain Consulting Services, LLC  
Sam Bailey  
9922 E. Montgomery Drive, Suite 9  
Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.  
Project #: 17-032.1**

Dear Mr. Bailey,

The enclosed report details results for the analysis of the bulk sample(s) submitted to Mountain Laboratories on March 20, 2017. Sample analysis was performed to determine asbestos type and content using Polarized Light Microscopy, supplemented by Dispersion Staining (PLM/DS).

This report includes a summary of the analytical results and chain of custody. Analytical results are only reflective of the samples, which were tested and presented in this report. Mountain Laboratories limits warranty to proper analysis methods and takes no responsibility for sample procurement.

It has been our pleasure providing you with these analytical services. If you have any questions regarding this report, please do not hesitate to call us at (509) 922-1365.

Sincerely,

Heidi L. McCarthy  
Laboratory Manager  
Mountain Laboratories  
Mountain Laboratories NW, Inc.

Enclosure: 1023.11671.11674



# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Sam Bailey**  
**9922 E. Montgomery Drive, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11671	B17-11742	B17-11743
Sample ID No.	17-032.1-240	17-032.1-240-A	17-032.1-240-B
Sample Description	Built-up Roofing	Sub Sample of 17-032.1-240 Tar Layer & Silver Paint	Sub Sample of 17-032.1-240 Multi-Layered Roofing
Sample Treatment	Teased/Dissolved Heated	Teased/Dissolved Heated	Teased/Dissolved Heated
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	White/Black	Black/Silver	Brown
Asbestos Present	No	Yes	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	White Membrane N.D.  Black Paper N.D.	Tar Layer : Chrysotile 4-6%	Brown Insulation N.D.
Total % Asbestos	None	4-6%	None
Other Fibrous Material In Sample	Top Black Paper: Glass Fibers 5%		Brown Insulation: Cellulose 30%
Non-Fibrous Material:	White Membrane Roofing: Synthetic 100%  Top Black Paper: Tar 95%  <b>ACM Roofing not analyzed as per Customer.</b>	Tar 94-96%  <b>Silver Paint not analyzed; embedded in ACM Tar Layer.</b>	Brown Insulation: Aggregate 30% Tar 40%

Date Analyzed: March 20, 2017

Analyzed By: Lisa Meade

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Sample results must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Sam Bailey**  
**9922 E. Montgomery Drive, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11744	B17-11745	B17-11672
Sample ID No.	17-032.1-240-C	17-032.1-240-D	17-032.1-266
Sample Description	Sub Sample of 17-032.1-240 Brown Layer	Sub Sample of 17-032.1-240 Paper Layers	Membrane over Insulation BUR
Sample Treatment	Teased/Heated	Teased/Dissolved Heated	Teased/Heated
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Black/Brown	Black	Gray/White
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Brown Layer N.D.	Paper Layers N.D.	Gray & White Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Wood 94%	Cellulose 65% Synthetic 5%	Synthetic 35%
Non-Fibrous Material:	Tar <1% Binder/Filler 5%	Tar 30%	Other 65%  <b>ACM Multi-Layered Roofing not analyzed as per Customer.</b>

Date Analyzed: March 20, 2017

Analyzed By: Lisa Meade

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## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Sam Bailey**  
**9922 E. Montgomery Drive, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11746	B17-11747	B17-11748
Sample ID No.	17-032.1-266-A	17-032.1-266-B	17-032.1-266-C
Sample Description	Sub Sample of 17-032.1-266 Brown Layer	Sub Sample of 17-032.1-266 Tar Layer & Roofing	Sub Sample of 17-032.1-266 Brown Layer
Sample Treatment	Teased	Teased/Dissolved Heated	Teased
Homogeneous	Yes	No	Yes
Layered	No	Yes	No
Fibrous	Yes	Yes	Yes
Sample Color	Brown	Black	Brown
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Brown Layer N.D.	Tar Layer N.D.  Roofing N.D.	Brown Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Wood 95%	Roofing: Glass Fibers 15%	Cellulose 15%
Non-Fibrous Material:	Binder/Filler 5%	Roofing: Tar 85%  Tar Layer: Tar 100%	Perlite 60% Binder/Filler 25%

Date Analyzed: March 20, 2017

Analyzed By: Lisa Meade

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## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Sam Bailey**  
**9922 E. Montgomery Drive, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11673	B17-11749	B174-11674
Sample ID No.	17-032.1-280	17-032.1-280-A	17-032.1-288
Sample Description	Gravel Cover Membrane over BUR & Insulations	Sub Sample of 17-032.1-280 Brown Layer	Membrane Roofing over Insulation, BUR & Insulation
Sample Treatment	Teased/Dissolved Heated	Teased	Teased/Dissolved Heated
Homogeneous	No	Yes	No
Layered	Yes	No	Yes
Fibrous	Yes	Yes	Yes
Sample Color	White/Black	Brown	Black
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	White Membrane N.D.  Black Paper N.D.	Brown Layer N.D.	Roofing N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Black Paper: Glass Fibers 30%	Cellulose 35%	Synthetic 30% Glass Fibers <1%
Non-Fibrous Material:	Black Paper: Tar 70%  White Membrane: Synthetic 100%  <b>ACM Multi-Layered Roofing not analyzed as per Customer.</b>	Perlite 45% Binder/Filler 20%	Tar 68% Other <1%  <b>ACM Multi-Layered Roofing not analyzed as per Customer.</b>

Date Analyzed: March 20, 2017

Analyzed By: Lisa Meade

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## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Sam Bailey**  
**9922 E. Montgomery Drive, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11750	B17-11751	B17-11752
Sample ID No.	17-032.1-288-A	17-032.1-288-B	17-032.1-288-C
Sample Description	Sub Sample of 17-032.1-288 Brown Layer	Sub Sample of 17-032.1-288 Tar Layer & Paper Layer	Sub Sample of 17-032.1-288 Yellow Layer
Sample Treatment	Teased	Teased/Dissolved Heated	Teased/Heated
Homogeneous	Yes	No	Yes
Layered	No	Yes	No
Fibrous	Yes	Yes	No
Sample Color	Brown	Black	Yellow
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Brown Layer N.D.	Tar Layer N.D.  Paper Layer N.D.	Yellow Layer N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Cellulose 55%	Paper Layer: Cellulose 80%	
Non-Fibrous Material:	Perlite 30% Binder/Filler 15%	Paper Layer: Tar 20%  Tar Layer: Tar 100%	Foam 100%

Date Analyzed: March 20, 2017

Analyzed By: Lisa Meade

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**MOUNTAIN LABORATORIES**  
**BULK SAMPLE ANALYSIS FOR ASBESTOS**

**Mountain Consulting Services, LLC**  
**Sam Bailey**  
**9922 E. Montgomery Drive, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-11753		
Sample ID No.	17-032.1-288-D		
Sample Description	Sub Sample of 17-032.1-288 Brown Layer		
Sample Treatment	Teased		
Homogeneous	Yes		
Layered	No		
Fibrous	Yes		
Sample Color	Brown		
Asbestos Present	No		
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Brown Layer N.D.		
Total % Asbestos	None		
Other Fibrous Material In Sample	Wood 95%		
Non-Fibrous Material:	Binder/Filler 5%		

Date Analyzed: March 20, 2017

Analyzed By: Lisa Meade

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# Chain of Custody

## ACM Bulk Sample Data for PLM Analysis

**Mountain Consulting Services**  
9922 E Montgomery Drive, Suite 9  
Spokane Valley, Washington 99206

office (509) 924-9236 fax (509) 924-2287

3 hr Rush	3 Day Turnaround
<input checked="" type="checkbox"/> 24 hr Rush	5 Day Turnaround
2 Day Turnaround	10 Day Turnaround
Analyze to 1 <sup>st</sup> positive on sets of 2 or more	

Inspection Date: March 20, 2017 Project: Pre-Demolition Asbestos Survey Project # 17-032.1  
Client: The Falls, LLC Bldg Name & #: Former YWCA Facility  
Address: 829 W. Broadway Avenue, Spokane, WA 99201

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	240	3 <sup>rd</sup> Story Roof	Black Built Up Roofing	See Maps	Previously Analyzed Sample 239 found Asbestos with Sub-Sample B and Sample 240 was not analyzed, Please Analyze Sample 240 to confirm ACM-Free Status Proven ACM-Free Roofing Layers from Sample 239	
17-032.1	266	1965 YWCA	White Membrane over Insulation BUR	↓	Previously Analyzed Sample 265 found Asbestos with Sub-Sample B and Sample 266 was not analyzed, Please Analyze Sample 266 to confirm ACM-Free Status Proven ACM-Free Roofing Layers from Sample 265	
17-032.1	280	Central Core Area, West Half Exterior Roof Deck	Gravel Cover Black Membrane Over BUR & Insulations	↓	Previously Analyzed Sample 279 found Asbestos with Sub-Sample B and Sample 280 was not analyzed, Please Analyze Sample 280 to confirm ACM-Free Status Proven ACM-Free Roofing Layers from Sample 279	
17-032.1	288	Solar Roof	White Membrane Roofing over Insulation, BUR & Insulation	↓	Previously Analyzed Sample 287 found Asbestos with Sub-Sample D and Sample 288 was not analyzed, Please Analyze Sample 288 to confirm ACM-Free Status Proven ACM-Free Roofing Layers from Sample 287	
RELEASED BY: Signature: <i>[Signature]</i>	RECEIVED BY: <i>[Signature]</i> Signature: <i>[Signature]</i>	Mountain Laboratories	DELIVERY METHOD: <i>hand</i>	CONDITION: <i>good</i>	DATE/TIME RECEIVED: <i>3/20/17 9:30 am</i>	



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Spokane Valley, WA 99206  
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NVLAP LAB CODE 101890-0

**March 24, 2017**

**Mountain Consulting Services, LLC  
Todd Lewis  
9922 E. Montgomery Avenue, Suite 9  
Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.  
Project #: 17-032.1**

Dear Mr. Lewis,

The enclosed report details results for the analysis of the bulk sample(s) submitted to Mountain Laboratories on March 24, 2017. Sample analysis was performed to determine asbestos type and content using Polarized Light Microscopy, supplemented by Dispersion Staining (PLM/DS).

This report includes a summary of the analytical results and chain of custody. Analytical results are only reflective of the samples, which were tested and presented in this report. Mountain Laboratories limits warranty to proper analysis methods and takes no responsibility for sample procurement.

It has been our pleasure providing you with these analytical services. If you have any questions regarding this report, please do not hesitate to call us at (509) 922-1365.

Sincerely,

Heidi L. McCarthy  
Laboratory Manager  
Mountain Laboratories  
Mountain Laboratories NW, Inc.

Enclosure: 1023.12625.12636



# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-12625	B17-12626	B17-12627
Sample ID No.	17-032.1-298	17-032.1-299	17-032.1-300
Sample Description	Window Glazing Putty	Window Glazing Putty	12x12 VFT & Mastic
Sample Treatment	Teased/Crushed Heated	Teased/Crushed Heated	Teased/Crushed Heated
Homogeneous	Yes	Yes	No
Layered	No	No	Yes
Fibrous	Yes	Yes	Yes
Sample Color	Gray/White	Gray/White	Off White/Tan/Clear
Asbestos Present	Yes	Yes	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Chrysotile <1%	Chrysotile Trace	Floor Tile N.D.  Clear Mastic N.D.
Total % Asbestos	<1%	Trace	None
Other Fibrous Material In Sample			Floor Tile: Cellulose 3%
Non-Fibrous Material:	Other 99%	Other 99%	Floor Tile: Binder/Filler 45% Vinyl 52%  Clear Mastic: Other 100%

Date Analyzed: March 24, 2017

Analyzed By: Lisa Meade

Mountain Laboratories, Mountain Laboratories NW, Inc. limits warranty to proper analysis methods only and takes no responsibility for sample procurement. Mountain Laboratories, Mountain Laboratories NW, Inc., 9922 E. Montgomery Suite #13, Spokane Washington 99206 (509) 922-1365 - Fax (509) 922-1380. PLM has been known to miss asbestos in a small percentage of samples. Thus negative or <1% PLM results should be tested with either SEM or TEM. Customer is responsible for sample separation. This report may only be reproduced in full with written approval by Mountain Laboratories.

Sample results must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-12628	B17-12629	B17-12630
Sample ID No.	17-032.1-301	17-032.1-302	17-032.1-303
Sample Description	12x12 VFT & Mastic	VSF & Mastic	VSF & Mastic
Sample Treatment	Teased/Crushed Heated	Teased/Heated	
Homogeneous	No	No	
Layered	Yes	Yes	
Fibrous	Yes	Yes	
Sample Color	Off White/Tan/Clear	Tan/Light Gray/Gold	
Asbestos Present	No	Yes	
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	Floor Tile N.D.  Clear Mastic N.D.	Backing Only: Chrysotile 40-45%	Not analyzed as per Customer.
Total % Asbestos	None	20-25%	
Other Fibrous Material In Sample	Floor Tile: Cellulose 3%	Cellulose 15-20%	
Non-Fibrous Material:	Floor Tile: Binder/Filler 45% Vinyl 52%  Clear Mastic: Other 100%	Binder/Filler 20% Vinyl 40%  <b>Paint not analyzed.</b>  <b>Gold Mastic not analyzed; embedded in ACM Backing.</b>	

Date Analyzed: March 24, 2017

Analyzed By: Lisa Meade

Mountain Laboratories, Mountain Laboratories NW, Inc. limits warranty to proper analysis methods only and takes no responsibility for sample procurement. Mountain Laboratories, Mountain Laboratories NW, Inc., 9922 E. Montgomery Suite #13, Spokane Washington 99206 (509) 922-1365 - Fax (509) 922-1380. PLM has been known to miss asbestos in a small percentage of samples. Thus negative or <1% PLM results should be tested with either SEM or TEM. Customer is responsible for sample separation. This report may only be reproduced in full with written approval by Mountain Laboratories.

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# MOUNTAIN LABORATORIES BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-12631	B17-12632	B17-12633
Sample ID No.	17-032.1-304	17-032.1-305	17-032.1-306
Sample Description	Carpet Mastic	Carpet Mastic	Carpet Mastic
Sample Treatment	Teased/Heated	Teased/Heated	Teased/Heated
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	Gold	Gold	Gold
Asbestos Present	No	No	No
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Other 100%	Other 100%

Date Analyzed: March 24, 2017

Analyzed By: Lisa Meade

Mountain Laboratories, Mountain Laboratories NW, Inc. limits warranty to proper analysis methods only and takes no responsibility for sample procurement. Mountain Laboratories, Mountain Laboratories NW, Inc., 9922 E. Montgomery Suite #13, Spokane Washington 99206 (509) 922-1365 - Fax (509) 922-1380. PLM has been known to miss asbestos in a small percentage of samples. Thus negative or <1% PLM results should be tested with either SEM or TEM. Customer is responsible for sample separation. This report may only be reproduced in full with written approval by Mountain Laboratories.

Sample results must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

# MOUNTAIN LABORATORIES

## BULK SAMPLE ANALYSIS FOR ASBESTOS

**Mountain Consulting Services, LLC**  
**Todd Lewis**  
**9922 E. Montgomery Avenue, Suite 9**  
**Spokane Valley, WA 99206**

**Project: 829 W. Broadway Ave.**  
**Project #: 17-032.1**

Test Method: EPA-600/R-93/116: Interim Method for the Determination of Asbestos in Bulk Building Materials.

Customer #: 1023

Laboratory No.	B17-12634	B17-12635	B17-12636
Sample ID No.	17-032.1-307	17-032.1-308	17-032.1-309
Sample Description	Carpet Mastic	VSF & Mastic	VSF & Mastic
Sample Treatment	Teased/Heated	Teased/Heated	
Homogeneous	Yes	No	
Layered	No	Yes	
Fibrous	No	Yes	
Sample Color	Gold	Brown/Tan Off White/Gold	
Asbestos Present	No	Yes	
Asbestos Type and Percentage 1. Chrysotile 2. Amosite 3. Crocidolite 4. Other	N.D.	Backing Only: Chrysotile 50-55%	Not analyzed as per Customer.
Total % Asbestos	None	30-35%	
Other Fibrous Material In Sample			
Non-Fibrous Material:	Other 100%	Binder/Filler 20-25% Vinyl 45%  <b>Gold Mastic not analyzed; embedded in ACM Backing.</b>	

Date Analyzed: March 24, 2017

Analyzed By: Lisa Meade

Mountain Laboratories, Mountain Laboratories NW, Inc. limits warranty to proper analysis methods only and takes no responsibility for sample procurement. Mountain Laboratories, Mountain Laboratories NW, Inc., 9922 E. Montgomery Suite #13, Spokane Washington 99206 (509) 922-1365 - Fax (509) 922-1380. PLM has been known to miss asbestos in a small percentage of samples. Thus negative or <1% PLM results should be tested with either SEM or TEM. Customer is responsible for sample separation. This report may only be reproduced in full with written approval by Mountain Laboratories.

Sample results must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

**Mountain Consulting Services**  
9922 E Montgomery Drive, Suite 9  
Spokane Valley, Washington 99206

**Chain of Custody**  
**ACM Bulk Sample Data for PLM Analysis**  
office (509) 924-9236 fax (509) 924-2287

3 hr Rush	3 Day Turnaround
<input checked="" type="checkbox"/> 24 hr Rush	5 Day Turnaround
2 Day Turnaround	10 Day Turnaround
<input checked="" type="checkbox"/> Analyze to 1 <sup>st</sup> positive on sets of 2 or more	

Inspection Date: March 24, 2017

Project: Pre-Demolition Asbestos Survey Project # 17-032.1

Client: The Falls, LLC

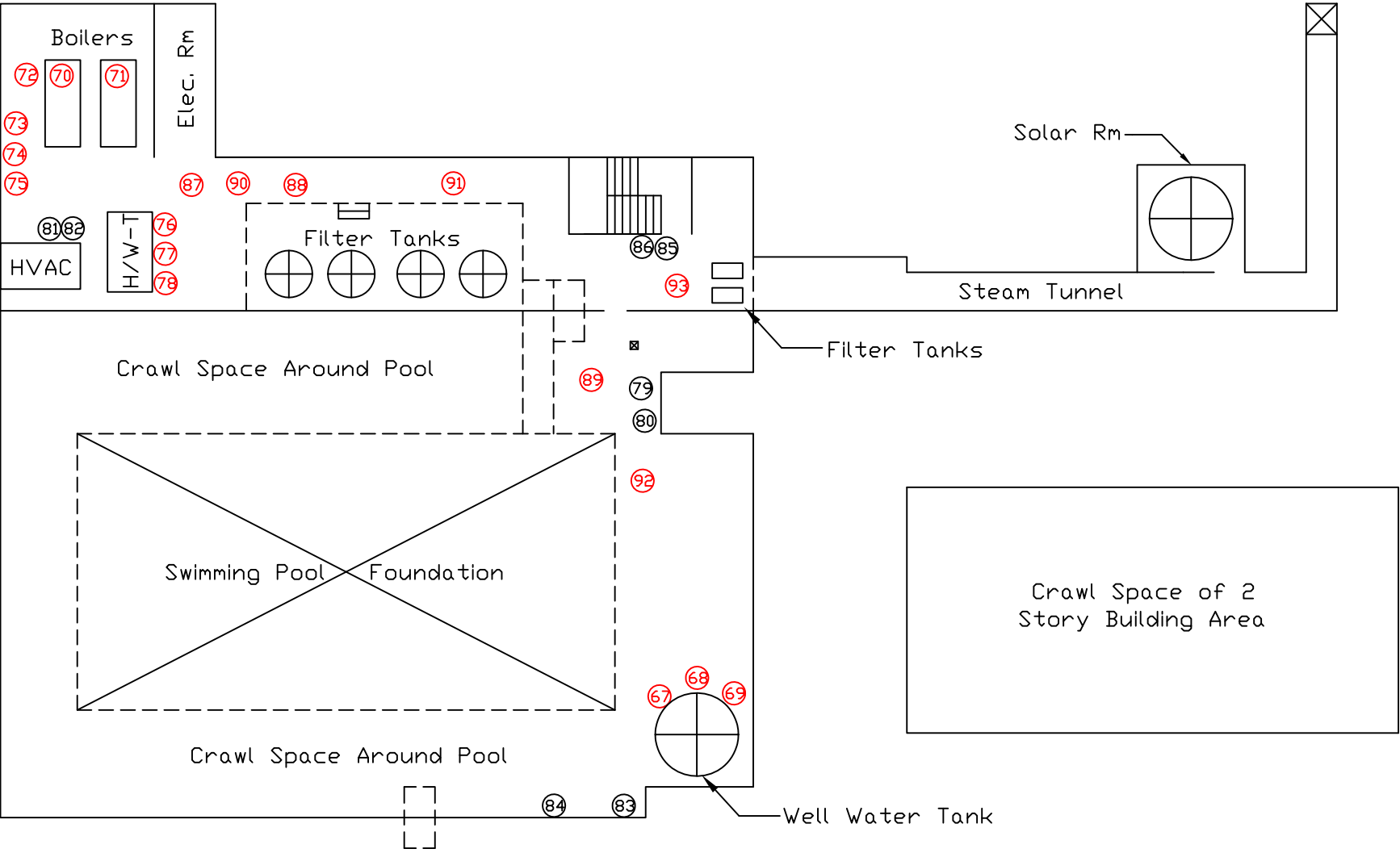
Bldg Name & #: Former YWCA Facility; 3-24-17 Site Revisit Confirmation

Address: Sampling; 829 W. Broadway Avenue; Spokane, WA 99201

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
17-032.1	298	Central Core Bldg. Area; 2 <sup>nd</sup> Floor S&W Ext. Windows	White-Grey Window Glazing Putty	See Maps		
17-032.1	299	Central Core Bldg. Area; 2 <sup>nd</sup> Floor; NW Corner RR Floor Exposed	Cream w/Lt. Grey Streaks 12" x 12" VFT & Mastic	↓		
17-032.1	300	Central Core Bldg. Area; 2 <sup>nd</sup> Floor; NW Corner RR Entry Room w/Carpet	Lt. Grey VSF & Mastic (under carpet, plywood, o/ACM blk mastic & tarpaper)	↓		
17-032.1	301	Central Core Bldg. Area; 2 <sup>nd</sup> Floor; SW Corner Office Fl.	Light Gold Carpet Mastic	↓		
17-032.1	302	NE 3-Story Bldg; 2 <sup>nd</sup> Floor; West Half; S Open Storage Room Floor Exposed	Dark Gold Carpet Mastic	↓	Appears to be installed on Red Painted Concrete Substrate	
17-032.1	303	NE 3-Story Bldg; 2 <sup>nd</sup> Floor; West Half; N. Offices Suite; Under Carpet Squares	Gold Pebble Pattern VSF & Mastic	↓		
17-032.1	304	NE 3-Story Bldg; 3 <sup>rd</sup> Floor; S. Central Roof Access Rm		↓		
17-032.1	305			↓		
17-032.1	306			↓		
17-032.1	307			↓		
17-032.1	308			↓		
17-032.1	309			↓		

RELEASED BY: Signature: <i>[Signature]</i>	RECEIVED BY: <i>[Signature]</i> Signature: <i>[Signature]</i>	DELIVERY METHOD: <i>hand</i>	CONDITION: <i>Good</i>	DATE/TIME RECEIVED: <i>10:15am 3/24/17</i>
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**APPENDIX C  
ASBESTOS BULK SAMPLE  
LOCATION DRAWINGS**



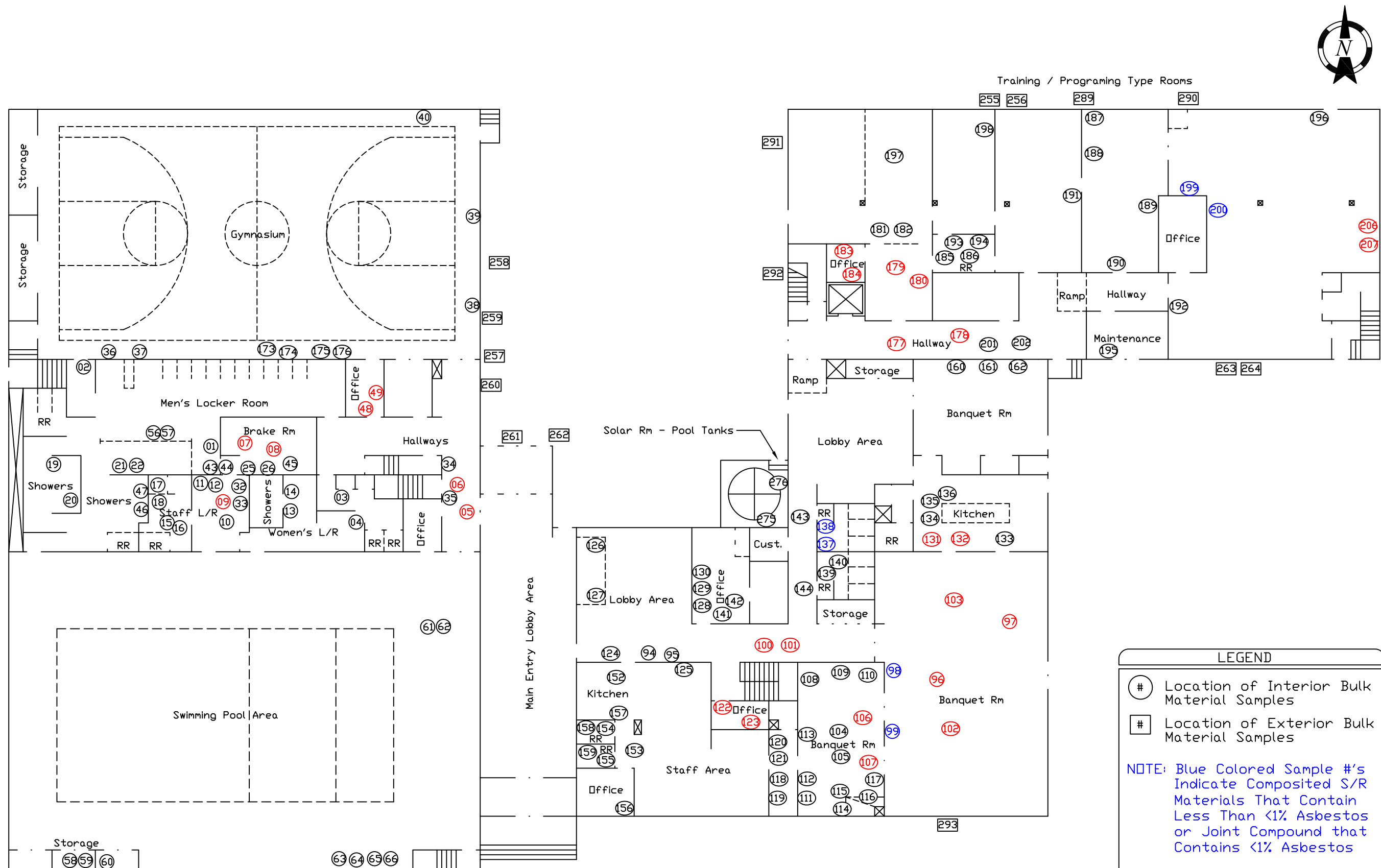
**LEGEND**

# Location of Interior Bulk Material Samples

# Location of Exterior Bulk Material Samples

NOTE: Blue Colored Sample #'s Indicate Composited S/R Materials That Contain Less Than <1% Asbestos or Joint Compound that Contains <1% Asbestos

NOTE: Red Colored Sample #'s Indicate Regulated ACMs



**LEGEND**

⊙ Location of Interior Bulk Material Samples

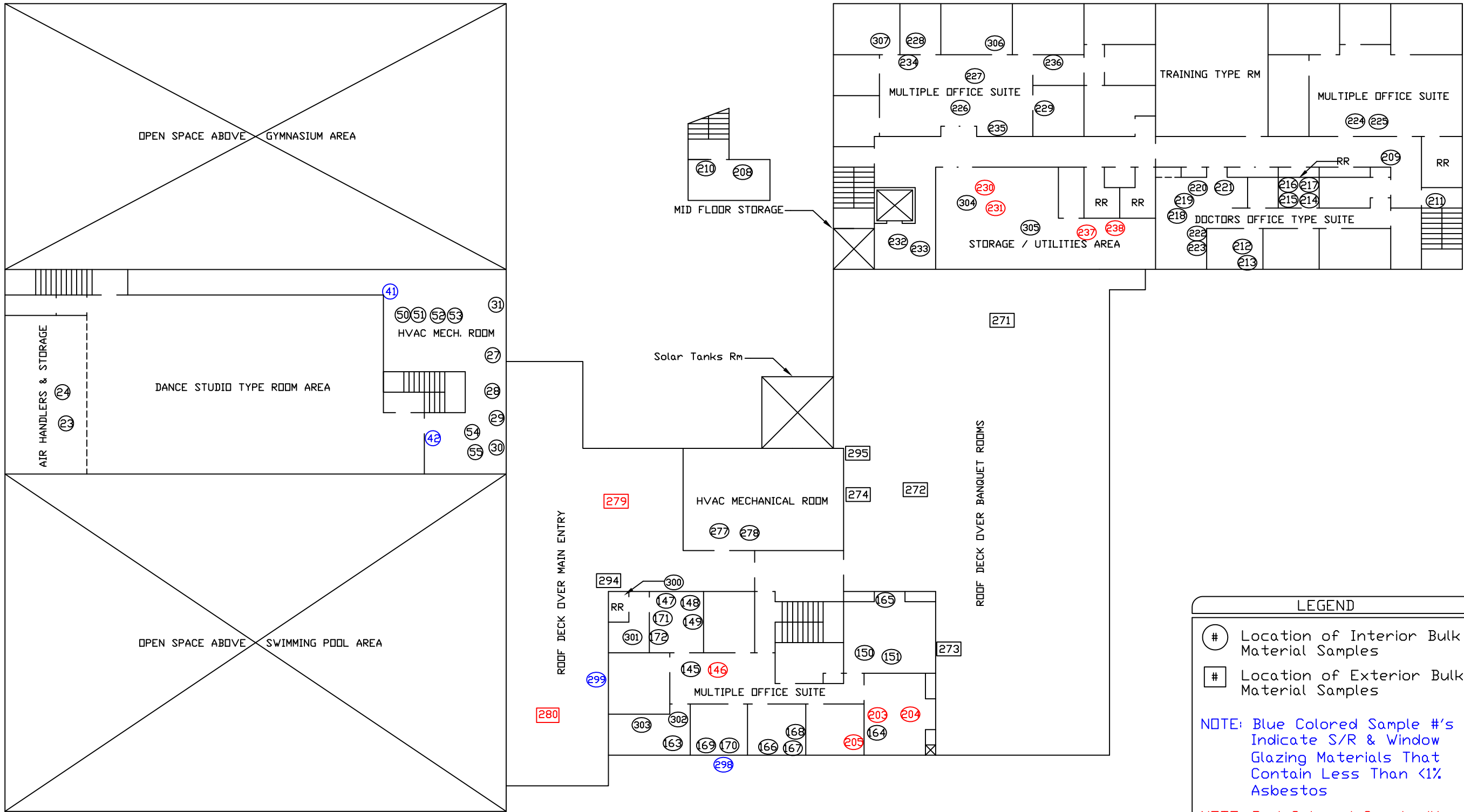
⊞ Location of Exterior Bulk Material Samples

NOTE: Blue Colored Sample #'s Indicate Composites S/R Materials That Contain Less Than <1% Asbestos or Joint Compound that Contains <1% Asbestos

NOTE: Red Colored Sample #'s Indicate Regulated ACMs







LEGEND

#

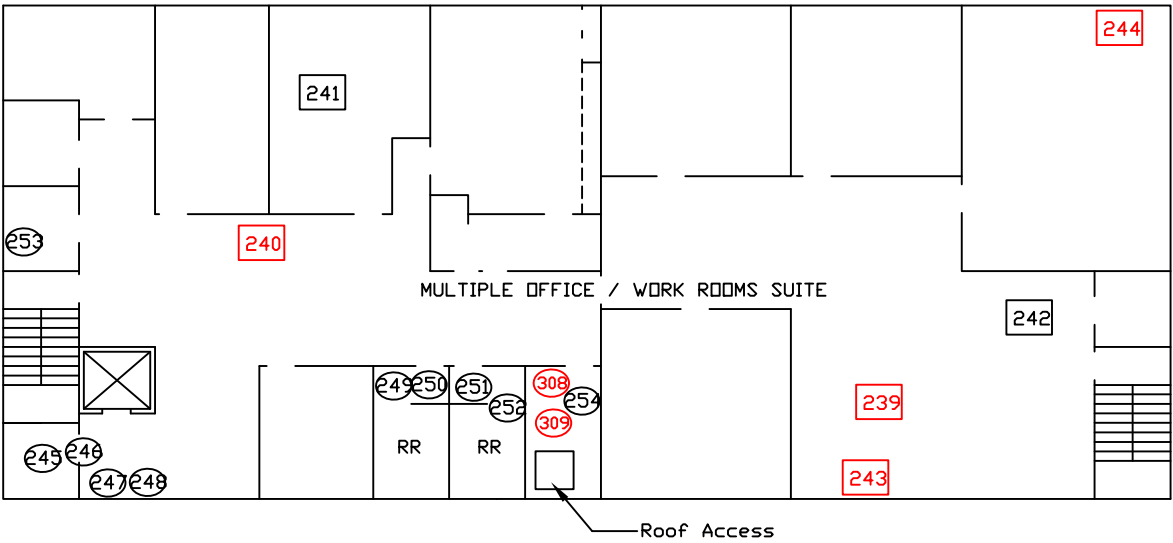
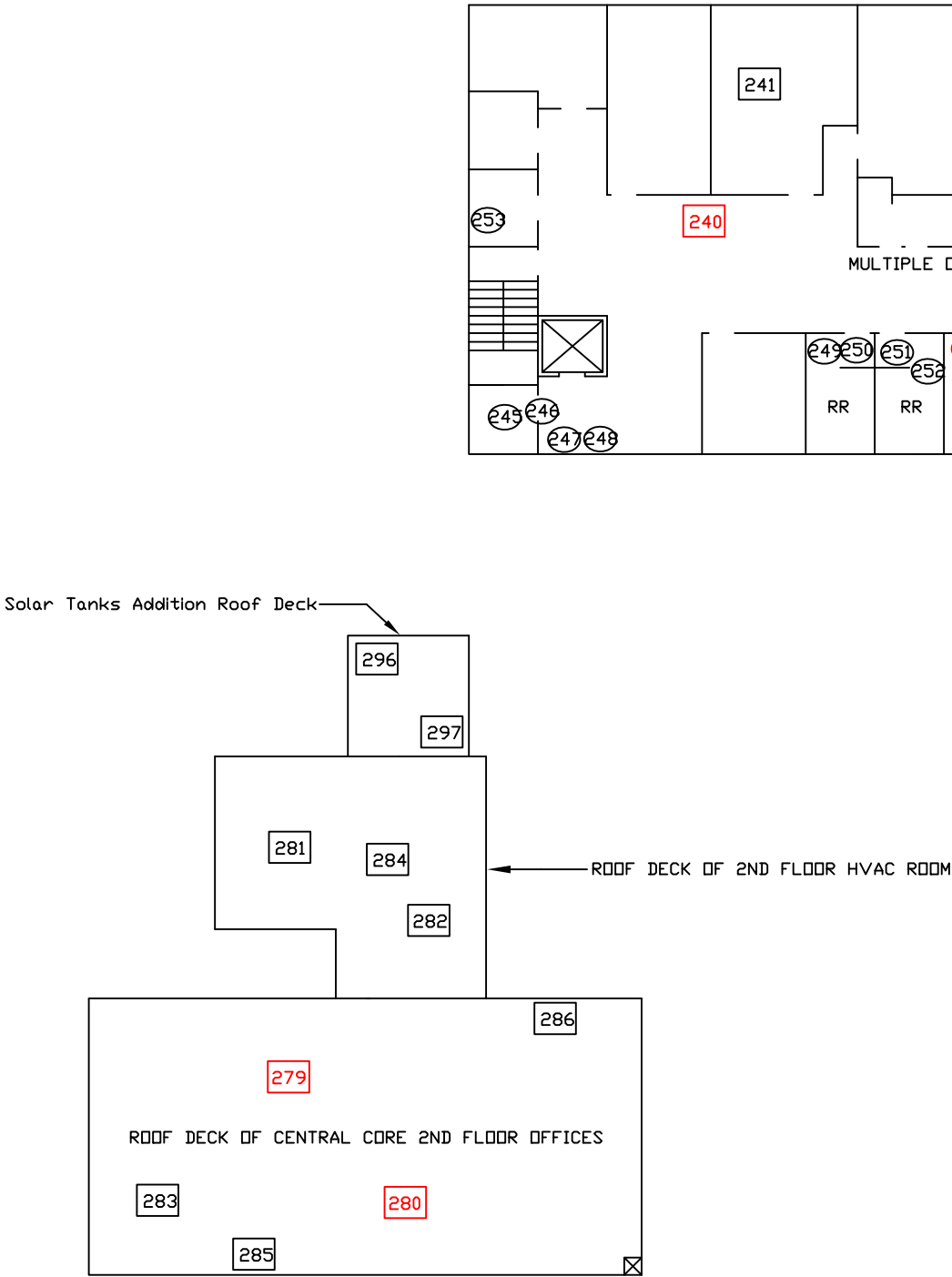
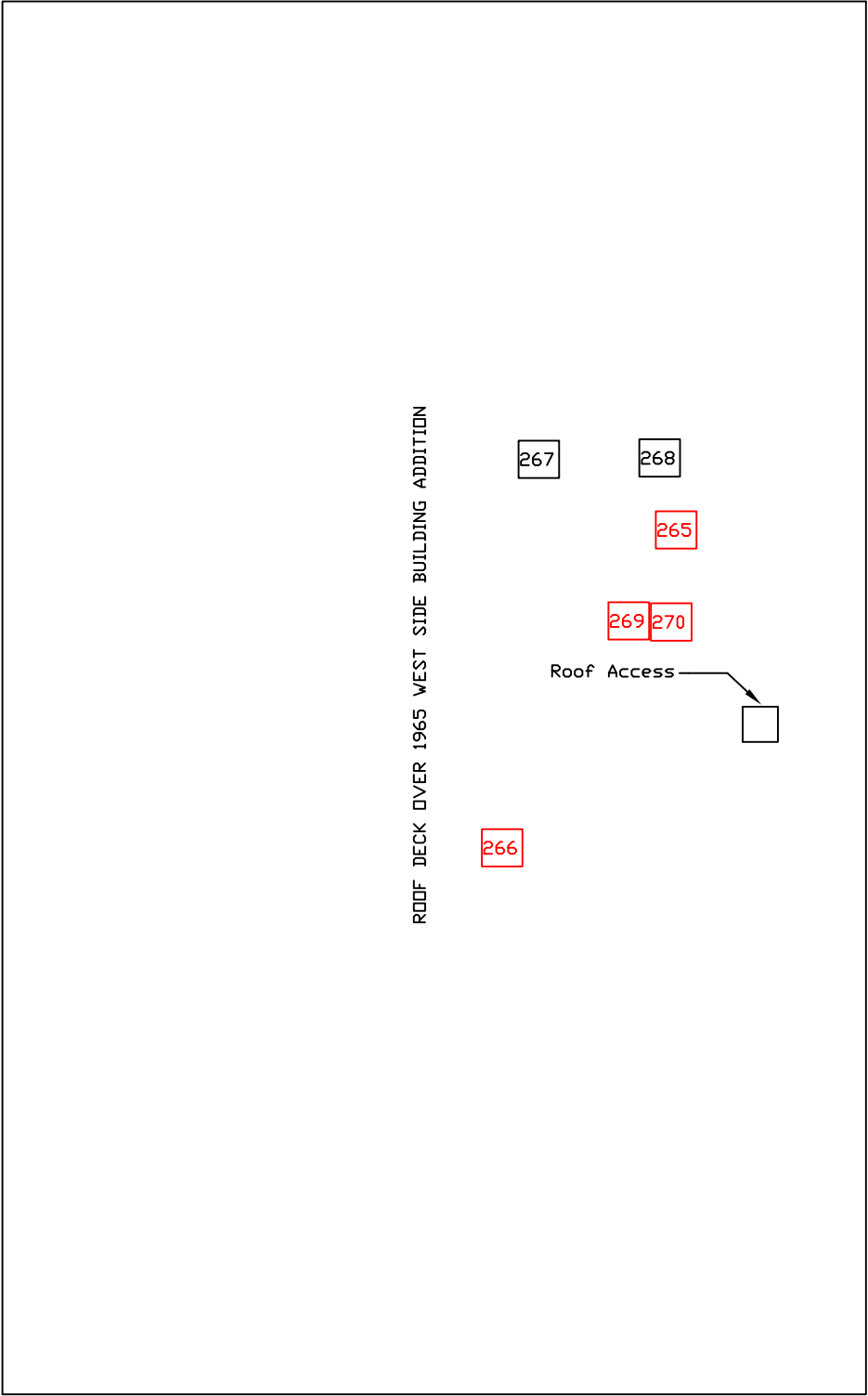
Location of Interior Bulk Material Samples

#

Location of Exterior Bulk Material Samples

NOTE: Blue Colored Sample #'s Indicate S/R & Window Glazing Materials That Contain Less Than <1% Asbestos

NOTE: Red Colored Sample #'s Indicate Regulated ACMs



LEGEND

- # Location of Interior Bulk Material Samples
- # Location of Exterior Bulk Material Samples

NOTE: Blue Colored Sample #'s Indicate Compositied S/R Materials That Contain Less Than <1% Asbestos or Joint Compound that Contains <1% Asbestos

NOTE: Red Colored Sample #'s Indicate Regulated ACMs



**APPENDIX D  
LEAD BULK COATING / TCLP  
SAMPLE ANALYSIS REPORTS**

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 201701929

CustomerID: MCS50

CustomerPO:

ProjectID:

Attn: **David Jones**  
**Mountain Consulting Services, LLC**  
**9922 East Montgomery Avenue**  
**Suite 9**  
**Spokane Valley, WA 99206**

Phone: (509) 924-9236  
Fax:  
Received: 03/03/17 10:30 AM  
Collected: 2/28/2017

Project: 17-032.1

**Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
17-032.1-LBP1 Site: West Wing Varnish on Wood Floor	201701929-0001	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP7 Site: Blue on Concrete	201701929-0007	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP8 Site: Light Blue on Concrete	201701929-0008	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP9 Site: Blue on Cement Block	201701929-0009	2/28/2017	3/6/2017	110 ppm
17-032.1-LBP10 Site: Light Blue on Cement Block	201701929-0010	2/28/2017	3/6/2017	130 ppm
17-032.1-LBP11 Site: Dark Grey on Cement Floor	201701929-0011	2/28/2017	3/6/2017	100 ppm
17-032.1-LBP12 Site: Varnish on Wood Floor	201701929-0012	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP13 Site: White on Sheetrock	201701929-0013	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP14 Site: White on Cement Block	201701929-0014	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP16 Site: Mixed Muriel Paint on Plaster Drywall	201701929-0016	2/28/2017	3/6/2017	100 ppm
17-032.1-LBP17 Site: Blue on Wood Doors/Trim	201701929-0017	2/28/2017	3/6/2017	960 ppm
17-032.1-LBP18 Site: White on 12x12 Black Block	201701929-0018	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP19 Site: White 24x48 Fiber Ceiling Panels	201701929-0019	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP23 Site: Grey on Plaster/Sheetrock Walls	201701929-0023	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP24 Site: Light Grey on Plaster Sheetrock	201701929-0024	2/28/2017	3/6/2017	<100 ppm

Phillip Worby, Lead Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 03/07/2017 14:39:03

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 201701929

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Attn: **David Jones**  
**Mountain Consulting Services, LLC**  
**9922 East Montgomery Avenue**  
**Suite 9**  
**Spokane Valley, WA 99206**

Phone: (509) 924-9236  
Fax:  
Received: 03/03/17 10:30 AM  
Collected: 2/28/2017

Project: 17-032.1

**Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
17-032.1-LBP25	201701929-0025	2/28/2017	3/6/2017	<100 ppm
Site: White on Canvas Wall Covering				
17-032.1-LBP26	201701929-0026	2/28/2017	3/6/2017	2000 ppm
Site: White on Sheetrock				
17-032.1-LBP27	201701929-0027	2/28/2017	3/6/2017	460 ppm
Site: Grey on Sheetrock				
17-032.1-LBP28	201701929-0028	2/28/2017	3/6/2017	160 ppm
Site: Yellow on Brick Walls				
17-032.1-LBP29	201701929-0029	2/28/2017	3/6/2017	<100 ppm
Site: Green on Plaster				
17-032.1-LBP30	201701929-0030	2/28/2017	3/6/2017	1300 ppm
Site: Blue on Sheetrock/Plaster				
17-032.1-LBP31	201701929-0031	2/28/2017	3/6/2017	750 ppm
Site: Green on Plaster				
17-032.1-LBP33	201701929-0033	2/28/2017	3/6/2017	<100 ppm
Site: White on Fiber Ceiling Panels				
17-032.1-LBP34	201701929-0034	2/28/2017	3/6/2017	1200 ppm
Site: Blue on Wood Doors/Trim				
17-032.1-LBP35	201701929-0035	2/28/2017	3/6/2017	<100 ppm
Site: Varnish on Wood				
17-032.1-LBP36	201701929-0036	2/28/2017	3/6/2017	210 ppm
Site: Grey on Wood Doors/Trim				
17-032.1-LBP37	201701929-0037	2/28/2017	3/6/2017	<100 ppm
Site: White on Plaster				
17-032.1-LBP38	201701929-0038	2/28/2017	3/6/2017	860 ppm
Site: 3 Story				
17-032.1-LBP39	201701929-0039	2/28/2017	3/6/2017	<100 ppm
Site: Grey on Sheetrock				
17-032.1-LBP40	201701929-0040	2/28/2017	3/6/2017	<100 ppm
Site: Dark Grey on Brick				

Phillip Worby, Lead Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

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Initial report from 03/07/2017 14:39:03

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200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

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**Spokane Valley, WA 99206**

Phone: (509) 924-9236  
 Fax:  
 Received: 03/03/17 10:30 AM  
 Collected: 2/28/2017

Project: 17-032.1

**Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
17-032.1-LBP41 Site: White on Brick	201701929-0041	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP42 Site: Grey/White on Cement Block	201701929-0042	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP43 Site: Silver on Brick and Cork	201701929-0043	2/28/2017	3/6/2017	2600 ppm
17-032.1-LBP44 Site: Brown on Sheetrock	201701929-0044	2/28/2017	3/6/2017	2600 ppm
17-032.1-LBP45 Site: Yellow on Cement Block	201701929-0045	2/28/2017	3/6/2017	220 ppm
17-032.1-LBP46 Site: White on Brick	201701929-0046	2/28/2017	3/6/2017	370 ppm
17-032.1-LBP47 Site: Yellow on Sheetrock	201701929-0047	2/28/2017	3/6/2017	3900 ppm
17-032.1-LBP48 Site: Blue on Wood Doors/Trim	201701929-0048	2/28/2017	3/6/2017	160 ppm
17-032.1-LBP49 Site: White on Fiber Ceiling Panels	201701929-0049	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP50 Site: Red on Concrete Floors	201701929-0050	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP51 Site: Orange on Sheetrock	201701929-0051	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP52 Site: Blue on Brick	201701929-0052	2/28/2017	3/6/2017	810 ppm
17-032.1-LBP53 Site: Purple on Sheetrock	201701929-0053	2/28/2017	3/6/2017	260 ppm
17-032.1-LBP54 Site: Yellow on Sheetrock	201701929-0054	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP55 Site: Varnish on Wood	201701929-0055	2/28/2017	3/6/2017	260 ppm

Phillip Worby, Lead Laboratory Manager  
 or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 03/07/2017 14:39:03

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**Mountain Consulting Services, LLC**  
**9922 East Montgomery Avenue**  
**Suite 9**  
**Spokane Valley, WA 99206**

Phone: (509) 924-9236  
Fax:  
Received: 03/03/17 10:30 AM  
Collected: 2/28/2017

Project: 17-032.1

**Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
17-032.1-LBP56 Site: Brown on Sheetrock	201701929-0056	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP57 Site: Red on Wood Doors/Trim	201701929-0057	2/28/2017	3/6/2017	<280 ppm
17-032.1-LBP58 Site: Varnish on Wood Floor	201701929-0058	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP59 Site: Tan on Brick/Sheetrock	201701929-0059	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP64 Site: Green on Wood	201701929-0064	2/28/2017	3/6/2017	<100 ppm
17-032.1-LBP65 Site: Red on Brick	201701929-0065	2/28/2017	3/6/2017	210 ppm
17-032.1-LBP66 Site: Tan/Gret on Ceiling Wood	201701929-0066	2/28/2017	3/6/2017	300 ppm
17-032.1-LBP67 Site: Exterior Yellow on Cement Striping	201701929-0067	2/28/2017	3/6/2017	29000 ppm
17-032.1-LBP68 Site: Grey on Steel Doors/Trim	201701929-0068	2/28/2017	3/6/2017	1800 ppm
17-032.1-LBP69 Site: White on Steel Door/Trim/Window	201701929-0069	2/28/2017	3/6/2017	75000 ppm
17-032.1-LBP71 Site: White on Stucco	201701929-0071	2/28/2017	3/6/2017	<100 ppm

Phillip Worby, Lead Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 03/07/2017 14:39:03

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 201701929

CustomerID: MCS50

CustomerPO:

ProjectID:

Attn: **David Jones**  
**Mountain Consulting Services, LLC**  
**9922 East Montgomery Avenue**  
**Suite 9**  
**Spokane Valley, WA 99206**

Phone: (509) 924-9236  
Fax:  
Received: 03/03/17 10:30 AM  
Collected: 2/28/2017

Project: 17-032.1

**Test Report: Lead by Flame AAS (SW 846, 7000B)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
17-032.1-LBP2 Site: 1x1 Tan Ceramic Tile	201701929-0002	2/28/2017	3/4/2017	<40 ppm
17-032.1-LBP3 Site: 1x1 Green Ceramic Tile	201701929-0003	2/28/2017	3/4/2017	<40 ppm
17-032.1-LBP4 Site: 4x8 Red Ceramic Tile	201701929-0004	2/28/2017	3/4/2017	<40 ppm
17-032.1-LBP5 Site: 4x4 Yellow Ceramic Tile	201701929-0005	2/28/2017	3/4/2017	2600 ppm
17-032.1-LBP6 Site: 4x4 Green Ceramic Tile	201701929-0006	2/28/2017	3/4/2017	570 ppm
17-032.1-LBP15 Site: 4x6 Green Ceramic Tile	201701929-0015	2/28/2017	3/4/2017	690 ppm
17-032.1-LBP20 Site: Central Core 1x1 Ceramic Tile	201701929-0020	2/28/2017	3/4/2017	<40 ppm
17-032.1-LBP21 Site: 4x6 Grey Ceramic Tile	201701929-0021	2/28/2017	3/4/2017	730 ppm
17-032.1-LBP22 Site: 4x4 White Ceramic Tile	201701929-0022	2/28/2017	3/7/2017	<40 ppm
17-032.1-LBP32 Site: 2x2 Tan Ceramic Tile	201701929-0032	2/28/2017	3/7/2017	<40 ppm
17-032.1-LBP60 Site: 4x4 White Ceramic Tile	201701929-0060	2/28/2017	3/7/2017	<40 ppm
17-032.1-LBP61 Site: 2x2 Tan Ceramic Tile	201701929-0061	2/28/2017	3/7/2017	<40 ppm
17-032.1-LBP62 Site: 1x1 Tan Ceramic Tile	201701929-0062	2/28/2017	3/7/2017	<40 ppm
17-032.1-LBP63 Site: 6 6 Tan Ceramic Tile	201701929-0063	2/28/2017	3/7/2017	100 ppm
17-032.1-LBP70 Site: 1x1 Green Ceramic Tile	201701929-0070	2/28/2017	3/7/2017	480 ppm

Phillip Worby, Lead Laboratory Manager  
or other approved signatory

Detection limit is 40 mg/kg based on a 0.5 gram sample weight. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 03/07/2017 14:39:03



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 201701929

CustomerID: MCS50

CustomerPO:

ProjectID:

Attn: **David Jones**  
**Mountain Consulting Services, LLC**  
**9922 East Montgomery Avenue**  
**Suite 9**  
**Spokane Valley, WA 99206**

Phone: (509) 924-9236  
Fax:  
Received: 03/03/17 10:30 AM  
Collected: 2/28/2017

Project: 17-032.1

**Test Report: Lead by Flame AAS (SW 846, 7000B)**

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
17-032.1-LBP72	201701929-0072	2/28/2017	3/7/2017	<40 ppm
Site: Blue/White 4x4 Ceramic Tiles				

Phillip Worby, Lead Laboratory Manager  
or other approved signatory

Detection limit is 40 mg/kg based on a 0.5 gram sample weight. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 03/07/2017 14:39:03

EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAININGLead (Pb) Chain of Custody  
0E0...MSL Order ID

(La000000000000b Use Only):

201701929

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company :Mountain Consulting Services		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street:9922 East Montgomery Drive Suite 9		Third Party Billing requires written authorization from third party	
City: Spokane Valley	State/Province: WA	Zip/Postal Code:	Country:
Report To (Name): Dave Jones		Telephone #:	
Email Address: djones@mountainconsultingllc.com		Fax #:	Purchase Order:
Project Name/Number:17-032.1		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: WA		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input checked="" type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm <sup>2</sup> <input checked="" type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	1.0 µg/wipe
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter
Other:			
Name of Sampler: David Jones		Signature of Sampler:	
Sample #	Location	Volume/Area	Date/Time Sampled
17-032.1-LBP1	West Wing Varnish on Wood Floor	2in <sup>2</sup>	Feb 28
17-032.1-LBP2	1x1 tan Ceramic Tile	2in <sup>2</sup>	Feb 28
17-032.1-LBP3	1x1 green Ceramic tile	2in <sup>2</sup>	Feb 28
17-032.1-LBP4	4x8 Red Ceramic Tile	2in <sup>2</sup>	Feb 28
17-032.1-LBP5	4x4 Yellow Ceramic Tile	2in <sup>2</sup>	Feb 28
Client Sample #'s		Total # of Samples:	
Relinquished (Client):	Date: 3-2-17	Time: Fedex	
Received (Lab):	Date: 3/3/17	Time: 1030	EMSL Fedex
Comments: per David he is aware the HFAC will not dissolve during analysis okay to proceed 3/3/17-ck			





EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# **LEAD (Pb) CHAIN OF CUSTODY** **EMSL ORDER ID (Lab Use Only):**

201701929

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
6 17-032.1-LBP6	4x4 Green Ceramic Tile	2in <sup>2</sup>	Feb 28
7 17-032.1-LBP7	Blue on Concrete	2in <sup>2</sup>	Feb 28
8 17-032.1-LBP8	Light Blue on Concrete	2in <sup>2</sup>	Feb 28
9 17-032.1-LBP9	Blue on Cement Block	2in <sup>2</sup>	Feb 28
10 17-032.1-LBP10	Light Blue on Cement Block	2in <sup>2</sup>	Feb 28
11 17-032.1-LBP11	Dark grey on Cement Floor	2in <sup>2</sup>	Feb 28
12 17-032.1-LBP12	Varnish on wood Floor	2in <sup>2</sup>	Feb 28
13 17-032.1-LBP13	White on Sheetrock	2in <sup>2</sup>	Feb 28
14 17-032.1-LBP14	White on Cement Block	2in <sup>2</sup>	Feb 28
15 17-032.1-LBP15	4x6 Green Ceramic Tile	2in <sup>2</sup>	Feb 28
16 17-032.1-LBP16	Mixed Muriel Paint on Plaster/Drywall	2in <sup>2</sup>	Feb 28
17 17-032.1-LBP17	Blue on Wood Doors/Trim	2in <sup>2</sup>	Feb 28
18 17-032.1-LBP18	White on 12x12 Black Block	2in <sup>2</sup>	Feb 28
19 17-032.1-LBP19	White 24x48 Fiber Ceiling panels	2in <sup>2</sup>	Feb 28
20 17-032.1-LBP20	Central Core 1x1 Tan Ceramic Tile	2in <sup>2</sup>	Feb 28
21 17-032.1-LBP21	4x6 Grey Ceramic Tile	2in <sup>2</sup>	Feb 28
22 17-032.1-LBP22	4x4 White Ceramic Tile	2in <sup>2</sup>	Feb 28
23 17-032.1-LBP23	Grey on Plaster/Sheetrock Walls	2in <sup>2</sup>	Feb 28

Comments/Special Instructions:

Page 2 of 5 pages



**LEAD (Pb) CHAIN OF CUSTODY****EMSL ORDER ID** (Lab Use Only):

201701929

EMSL ANALYTICAL, INC.

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
24 17-032.1-LBP24	Light Grey on Plaster/Sheetrock	2in <sup>2</sup>	Feb 28
25 17-032.1-LBP25	White on Canvas Wall Covering	2in <sup>2</sup>	Feb 28
26 17-032.1-LBP26	White on Sheetrock	2in <sup>2</sup>	Feb 28
27 17-032.1-LBP27	Grey on Sheetrock	2in <sup>2</sup>	Feb 28
28 17-032.1-LBP28	Yellow on Old Brick Walls	2in <sup>2</sup>	Feb 28
29 17-032.1-LBP29	Green on Plaster	2in <sup>2</sup>	Feb 28
30 17-032.1-LBP30	Blue on Sheetrock/Plaster	2in <sup>2</sup>	Feb 28
31 17-032.1-LBP31	Green on Plaster	2in <sup>2</sup>	Feb 28
32 17-032.1-LBP32	2x2 Tan Ceramic Tile	2in <sup>2</sup>	Feb 28
33 17-032.1-LBP33	White on Fiber Ceiling Panels	2in <sup>2</sup>	Feb 28
34 17-032.1-LBP34	Blue on Wood Doors/Trim	2in <sup>2</sup>	Feb 28
35 17-032.1-LBP35	Varnish on Wood	2in <sup>2</sup>	Feb 28
36 17-032.1-LBP36	Grey on Wood Doors/Trim	2in <sup>2</sup>	Feb 28
37 17-032.1-LBP37	White on Plaster	2in <sup>2</sup>	Feb 28
38 17-032.1-LBP38	3 Story	2in <sup>2</sup>	Feb 28
39 17-032.1-LBP39	Grey on Sheetrock	2in <sup>2</sup>	Feb 28
40 17-032.1-LBP40	Dark Grey on Brick	2in <sup>2</sup>	Feb 28
Comments/Special Instructions:			

3 of 5

**LEAD (Pb) CHAIN OF CUSTODY****EMSL ORDER ID** (Lab U

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information



41	17-032.1-LBP41	White on Brick	2in <sup>2</sup>	March 1
42	17-032.1-LBP42	Grey/White on Cement Block	2in <sup>2</sup>	March 1
43	17-032.1-LBP43	Silver on Brick and Cork	2in <sup>2</sup>	March 1
44	17-032.1-LBP44	Brown on Sheetrock	2in <sup>2</sup>	March 1
45	17-032.1-LBP45	Yellow on Cement Block	2in <sup>2</sup>	March 1
46	17-032.1-LBP46	White on Brick	2in <sup>2</sup>	March 1
47	17-032.1-LBP47	Yellow on Sheetrock	2in <sup>2</sup>	March 1
48	17-032.1-LBP48	Blue on Wood Doors/Trim	2in <sup>2</sup>	March 1
49	17-032.1-LBP49	White on Fiber Ceiling panels	2in <sup>2</sup>	March 1
50	17-032.1-LBP50	Red on Concrete Floors	2in <sup>2</sup>	March 1
51	17-032.1-LBP51	Orange on Sheetrock	2in <sup>2</sup>	March 1
52	17-032.1-LBP52	Blue on Brick	2in <sup>2</sup>	March 1
53	17-032.1-LBP53	Purple on Sheetrock	2in <sup>2</sup>	March 1
54	17-032.1-LBP54	Yellow on Sheetrock	2in <sup>2</sup>	March 1
55	17-032.1-LBP55	Varnish on Wood	2in <sup>2</sup>	March 1
56	17-032.1-LBP56	Brown on Sheetrock	2in <sup>2</sup>	March 1
57	17-032.1-LBP57	Red on Wood Doors/Trim	2in <sup>2</sup>	March 1
58	17-032.1-LBP58	Varnish on Wood Floor	2in <sup>2</sup>	March 1
59	17-032.1-LBP59	Tan on Brick/Sheetrock	2in <sup>2</sup>	March 1
60	17-032.1-LBP60	4x4 White Ceramic Tile	2in <sup>2</sup>	March 1
61	17-032.1-LBP61	2x2 tan Ceramic Tile	2in <sup>2</sup>	March 1
62	17-032.1-LBP62	1x1 Tan Ceramic Tile	2in <sup>2</sup>	March 1
63	17-032.1-LBP63	6x6 Tan Ceramic Tile	2in <sup>2</sup>	March 1
64	17-032.1-LBP64	Green on Wood	2in <sup>2</sup>	March 1
65	17-032.1-LBP65	Red on Brick	2in <sup>2</sup>	March 1
66	17-032.1-LBP66	Tan/Grey on Ceiling Wood	2in <sup>2</sup>	March 1

40FS



201701929

67	17-032.1-LBP67	Exterior Yellow on Cement Striping	2in <sup>2</sup>	March 1
68	17-032.1-LBP68	Grey on Steel Doors/Trim	2in <sup>2</sup>	March 1
69	17-032.1-LBP69	White on Steel Door Trim/Windows	2in <sup>2</sup>	March 1
70	17-032.1-LBP70	1x1 Green Ceramic Tile	2in <sup>2</sup>	March 1
71	17-032.1-LBP71	White on Stucco	2in <sup>2</sup>	March 1
72	17-032.1-LBP72	Blue/White 4x4 Ceramic Tiles	2in <sup>2</sup>	March 1
	17-032.1-LBP73			
	17-032.1-LBP74			
	17-032.1-LBP75			
	17-032.1-LBP76			
	17-032.1-LBP77			
	17-032.1-LBP78			
	17-032.1-LBP79			
	17-032.1-LBP80			
	17-032.1-LBP81			
	17-032.1-LBP82			
	17-032.1-LBP83			
	17-032.1-LBP84			
	17-032.1-LBP85			
	17-032.1-LBP86			
	17-032.1-LBP87			
	17-032.1-LBP88			
	17-032.1-LBP89			

Page 5 of 5

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** MOUNTAIN CONSULTING SERVICES LLC  
**Address:** 9922 E MONTGOMERY STE 9  
SPOKANE VALLEY, WA 99206  
**Attn:** DAVID JONES

**Batch #:** 170302022  
**Project Name:** YWCA 17-032.1

## Analytical Results Report

<b>Sample Number</b>	170302022-001	<b>Sampling Date</b>	2/28/2017	<b>Date/Time Received</b>	3/2/2017	9:05 AM
<b>Client Sample ID</b>	17-032.1-TCLP1	<b>Sampling Time</b>		<b>Extraction Date</b>		
<b>Matrix</b>	Solid	<b>Sample Location</b>				
<b>Comments</b>						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
TCLP Lead	ND	ppm	2.5	3/10/2017 2:45:00 PM	KNP	EPA 6020A	

<b>Sample Number</b>	170302022-002	<b>Sampling Date</b>	2/28/2017	<b>Date/Time Received</b>	3/2/2017	9:05 AM
<b>Client Sample ID</b>	17-032.1-TCLP2	<b>Sampling Time</b>		<b>Extraction Date</b>		
<b>Matrix</b>	Solid	<b>Sample Location</b>				
<b>Comments</b>						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
TCLP Lead	ND	ppm	2.5	3/10/2017 2:52:00 PM	KNP	EPA 6020A	

<b>Sample Number</b>	170302022-003	<b>Sampling Date</b>	3/1/2017	<b>Date/Time Received</b>	3/2/2017	9:05 AM
<b>Client Sample ID</b>	17-032.1-TCLP3	<b>Sampling Time</b>		<b>Extraction Date</b>		
<b>Matrix</b>	Solid	<b>Sample Location</b>				
<b>Comments</b>						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
TCLP Lead	ND	ppm	2.5	3/10/2017 2:59:00 PM	KNP	EPA 6020A	

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

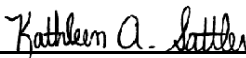
---

**Client:** MOUNTAIN CONSULTING SERVICES LLC  
**Address:** 9922 E MONTGOMERY STE 9  
SPOKANE VALLEY, WA 99206  
**Attn:** DAVID JONES

**Batch #:** 170302022  
**Project Name:** YWCA 17-032.1

## Analytical Results Report

Authorized Signature

  
Kathleen A. Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level  
ND Not Detected  
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.  
The results reported relate only to the samples indicated.  
Soil/solid results are reported on a dry-weight basis unless otherwise noted.



# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

## Login Report

**Customer Name:** MOUNTAIN CONSULTING SERVICES LLC  
9922 E MONTGOMERY STE 9  
SPOKANE VALLEY WA 99206

**Order ID:** 170302022  
**Order Date:** 3/2/2017

**Contact Name:** DAVID JONES

**Project Name:** YWCA 17-032.1

**Comment:**

---

**Sample #:** 170302022-001 **Customer Sample #:** 17-032.1-TCLP1

**Recv'd:** ☒ **Matrix:** Solid **Collector:** DAVE JONES **Date Collected:** 2/28/2017  
**Quantity:** 1 **Date Received:** 3/2/2017 9:05:00 AM **Time Collected:**  
**Comment:**

Test	Lab	Method	Due Date	Priority
TCLP Lead	S	EPA 6020A	3/14/2017	<b><u>Normal (~10 Days)</u></b>

---

**Sample #:** 170302022-002 **Customer Sample #:** 17-032.1-TCLP2

**Recv'd:** ☒ **Matrix:** Solid **Collector:** DAVE JONES **Date Collected:** 2/28/2017  
**Quantity:** 1 **Date Received:** 3/2/2017 9:05:00 AM **Time Collected:**  
**Comment:**

Test	Lab	Method	Due Date	Priority
TCLP Lead	S	EPA 6020A	3/14/2017	<b><u>Normal (~10 Days)</u></b>

---

**Sample #:** 170302022-003 **Customer Sample #:** 17-032.1-TCLP3

**Recv'd:** ☒ **Matrix:** Solid **Collector:** DAVE JONES **Date Collected:** 3/1/2017  
**Quantity:** 1 **Date Received:** 3/2/2017 9:05:00 AM **Time Collected:**  
**Comment:**

Test	Lab	Method	Due Date	Priority
TCLP Lead	S	EPA 6020A	3/14/2017	<b><u>Normal (~10 Days)</u></b>

**Customer Name:** MOUNTAIN CONSULTING SERVICES LLC  
9922 E MONTGOMERY STE 9  
SPOKANE VALLEY WA 99206

**Order ID:** 170302022  
**Order Date:** 3/2/2017

**Contact Name:** DAVID JONES

**Project Name:** YWCA 17-032.1

**Comment:**

### **SAMPLE CONDITION RECORD**

---

Samples received in a cooler?	No
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	16.6/16.9
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	N/A
Is there a trip blank to accompany VOC samples?	N/A
Labels and chain agree?	Yes



# Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246  
504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

Company Name: Mountain Consulting Service LLC

Project Manager: Dave Jones

Address: 9922 E. Montgomery DR, Suite 9

Project Name & #: YWCA 17-032.1

City: Spokane Valley State: WA Zip: 99206

Email Address: djones@mountainconsultingllc.com

Phone: (509) 924-9236

Purchase Order #:

Fax: (509) 924-2287

Sampler Name & phone:

Dave 509-220-7282

Please refer to our normal turn around times at:  
<http://www.anateklabs.com/services/guidelines/reporting.asp>

70302 022 MCSS Last 3/14/2017  
1st SAMP 2/28/2017 1st RCVD 3/2/2017  
YWCA 17-032.1

Normal ☐ All rush order requests must be prior approved. ☐ Phone  
Next Day\* ☐ Mail  
2nd Day\* ☐ Fax  
Other\* ☐ Email

## Provide Sample Description

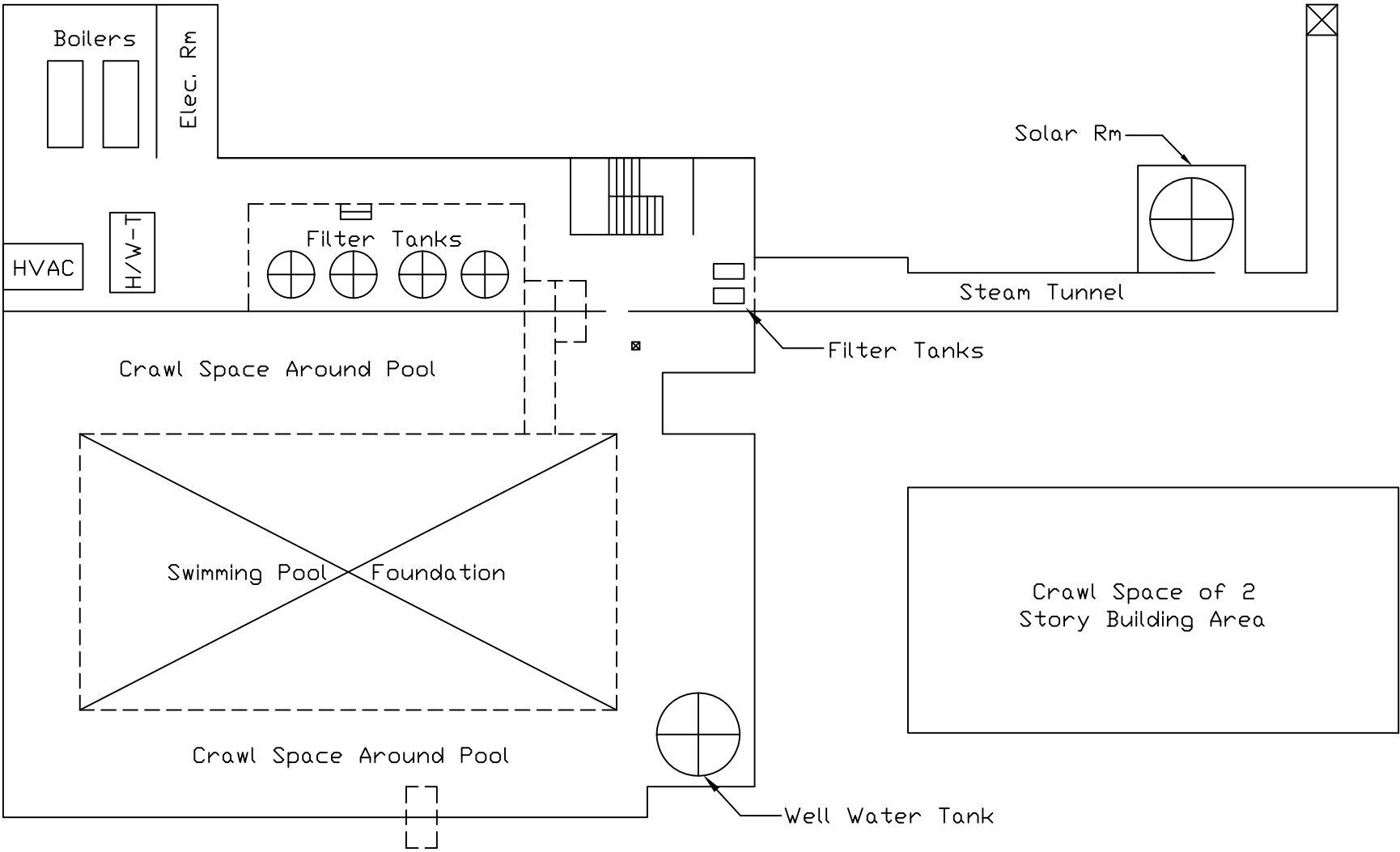
## List Analyses Requested

## Note Special Instructions/Comments

Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	Lead TCLP	Preservative:	Company	Date	Time	Inspection Checklist
17-032-1-clp1		2/28/17	Bulk			X		MS	3-2-17	905AM	Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N
17-032-1-clp2		2/28/17	Bulk			X		MS	3-2-17	905AM	Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N
17-032-1-clp3		3/1/17	Bulk			X		MS	3-2-17	905AM	Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N
Relinquished by	Dave Jones							MS	3-2-17	905AM	Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N
Received by	Mandy De							MS	3-2-17	905AM	Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N
Relinquished by											Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N
Received by											Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N
Relinquished by											Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N
Received by											Received Intact? <input checked="" type="checkbox"/> N Labels & Chains Agree? <input checked="" type="checkbox"/> N Containers Sealed? <input checked="" type="checkbox"/> N VOC Head Space? <input checked="" type="checkbox"/> N

Standard Turn

**APPENDIX E**  
**LEAD BULK COATINGS SAMPLE**  
**LOCATION DRAWINGS**



LEGEND

#

Location of Interior Bulk Paint/Coating Samples

#

Location of Exterior Bulk Paint/Coating Samples

NOTE: All Coatings Present Are With Steel Recyclable Components Throughout Basement & Crawl Spaces

Mountain Consulting Services

9922 E. Montgomery Drive, Suite 9  
Spokane Valley, WA 99206  
Telephone 509-924-9236

PRE-DEMO LEAD COATINGS SURVEY; BULK SAMPLE LOCATIONS SITE DRAWING  
FORMER YWCA BUILDING; BASEMENT; 829 W. BROADWAY AVE; SPOKANE, WA

DRAWN BY:  
S. BAILEY

CHECKED BY:  
R. KNUTSON

PROJECT NO:  
17-032.1

DRAWING NOT TO SCALE

DRAWING No.

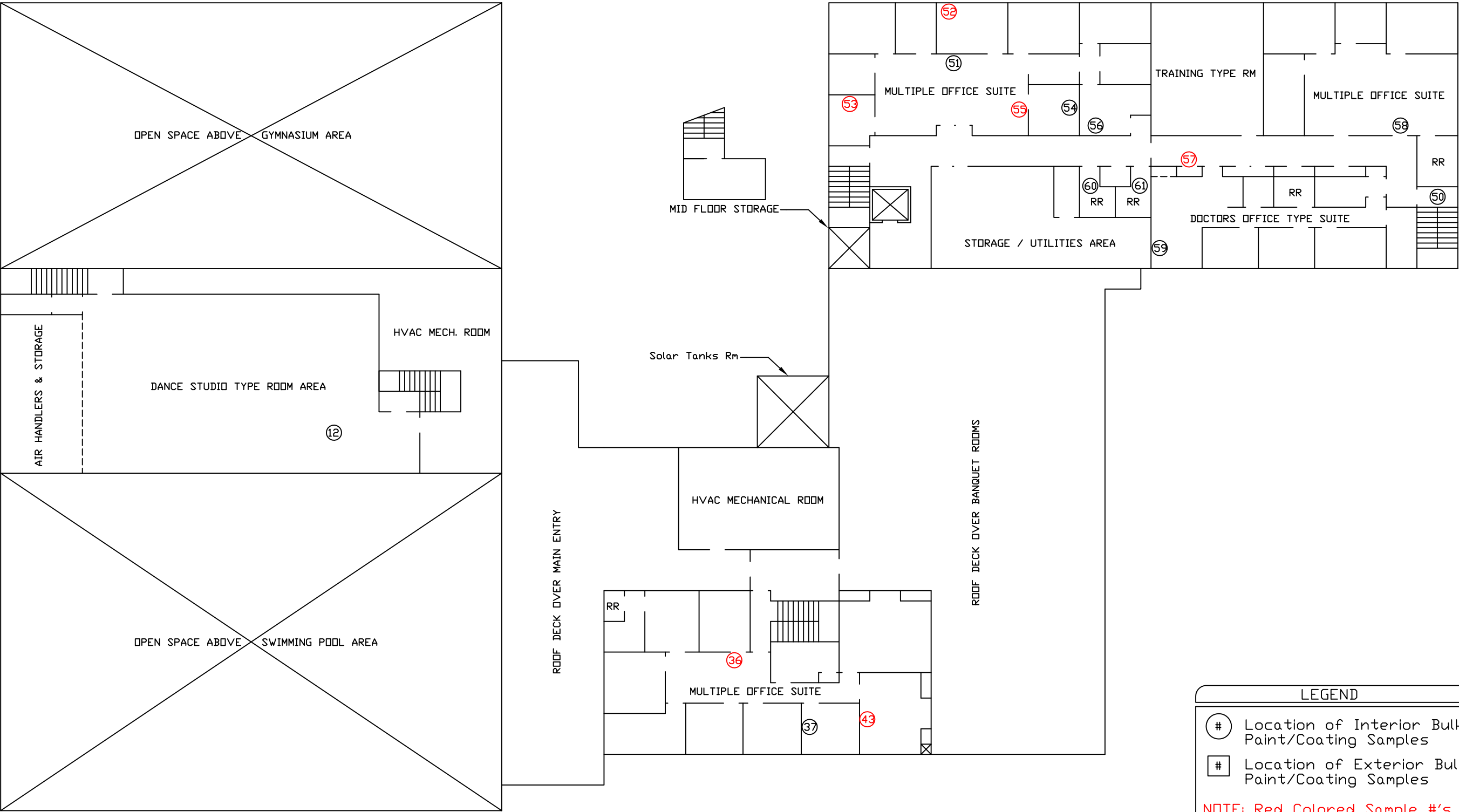
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OF

4

DRAWINGS





LEGEND

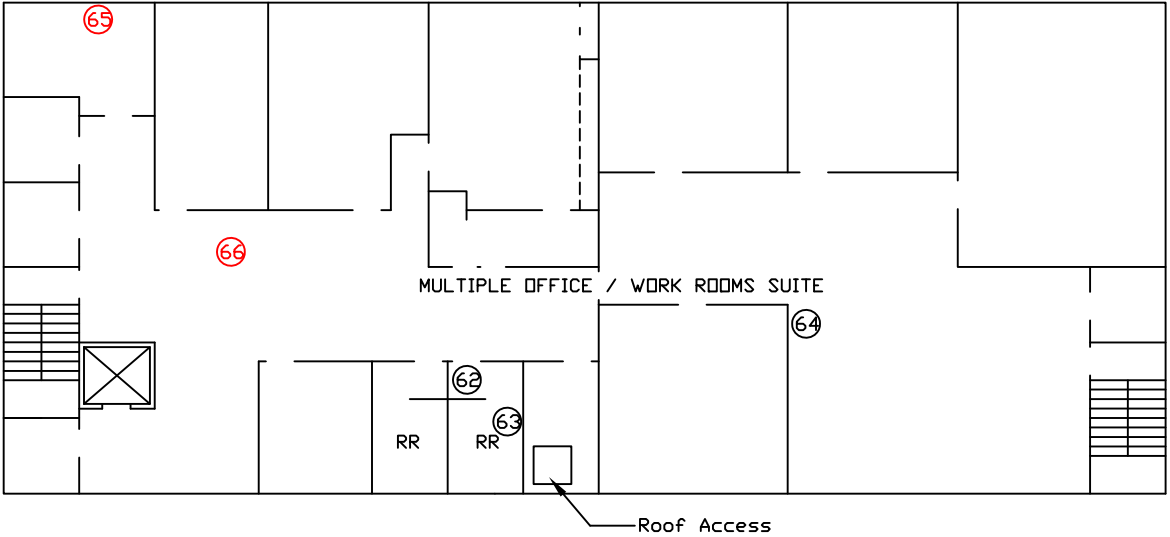
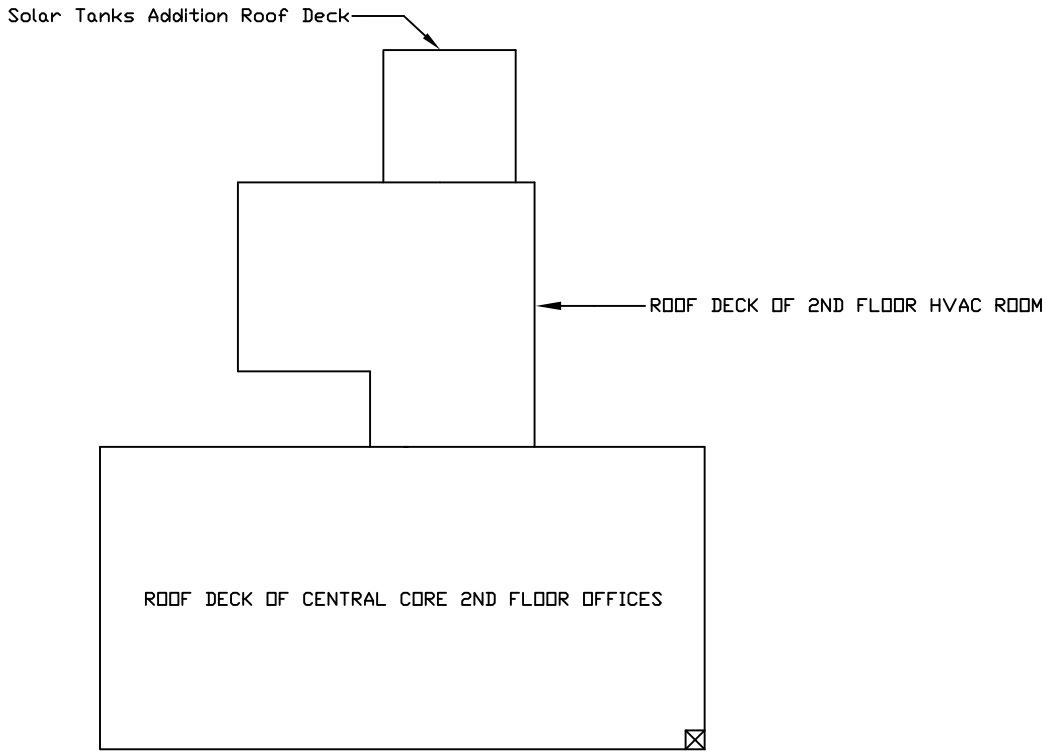
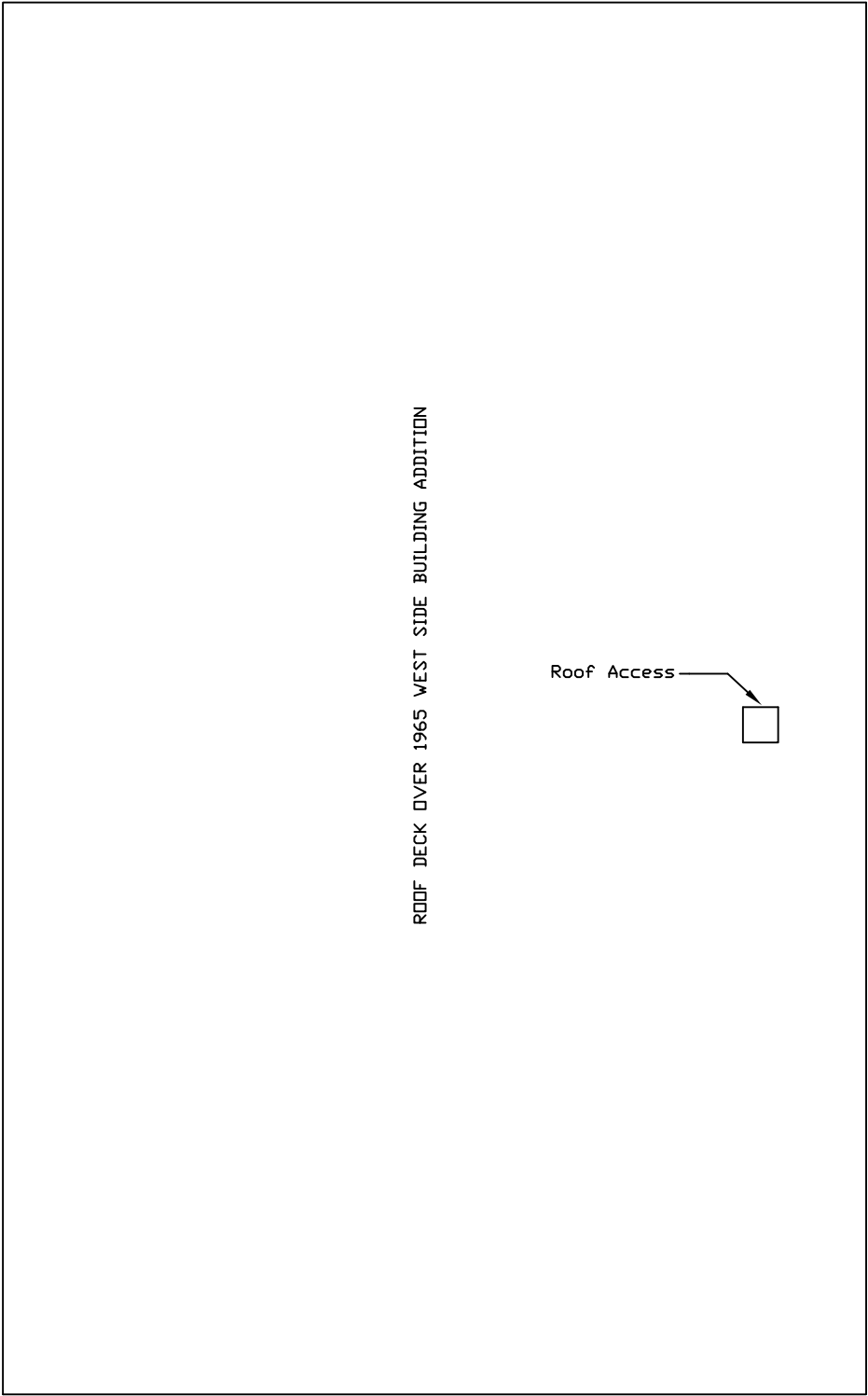
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Location of Interior Bulk Paint/Coating Samples

#

Location of Exterior Bulk Paint/Coating Samples

NOTE: Red Colored Sample #'s Indicate Regulated LBPs



LEGEND

#

Location of Interior Bulk Paint/Coating Samples

#

Location of Exterior Bulk Paint/Coating Samples

NOTE: Red Colored Sample #'s Indicate Regulated LBPs



## **APPENDIX F PROJECT PHOTOGRAPHS**



VIEW OF THE NORTH EXTERIOR MAIN CENTRAL ENTRY AREA OF THE FORMER YWCA FACILITY ADDRESSED AT 829 W. BROADWAY AVENUE IN SPOKANE, WA



NORTH EXTERIOR OF THE WEST SIDE GYMNASIUM BUILDING ADDITION; MANY REGULATED ACM LBP & OTHER BUILDING HAZARDS ARE PRESENT WITH THIS PORTION OF THE FACILITY



NORTH EXTERIOR OF THE EAST SIDE 3-STORY BUILDING AREA OF THE FACILITY; MANY REGULATED ACM LBP & OTHER BUILDING HAZARDS ARE ALSO PRESENT



EAST EXTERIOR OF THE NORTHEAST CORNER 3-STORY BUILDING AREA OF THE FACILITY



OVERALL SOUTH EXTERIOR OF THE NORTHEAST CORNER 3-STORY BUILDING AREA OF THE FORMER YWCA FACILITY



OVERALL EAST EXTERIOR OF THE SOUTHEAST CENTRAL CORE BUILDING AREA OF THE FACILITY; AGAIN MANY REGULATED ACM, LBP & OTHER BUILDING HAZARDS ARE PRESENT





OVERALL SOUTH EXTERIOR OF THE  
SOUTHEAST CORNER CENTRAL CORE & 2-  
STORY BUILDING AREA OF THE FACILITY



OVERALL SOUTH EXTERIOR VIEW OF THE  
WEST SIDE SWIMMING POOL BUILDING  
ADDITION OF THE FACILITY; AGAIN MANY  
REGULATED ACM, LBP & OTHER  
HAZARDOUS MATERIALS ARE PRESENT



OVERALL WEST SIDE EXTERIOR VIEW OF THE  
1965 GYMNASIUM-SWIMMING POOL BUILDING  
ADDITION OF THE FORMER YWCA FACILITY



ANOTHER VIEW OF THE NE CORNER 3-STORY  
BUILDING AREA OF THE FACILITY TAKEN  
FROM THE ROOF DECK OF THE WEST  
GYM/POOL BUILDING AREA



ANOTHER VIEW OF THE SE CORNER CENTRAL  
CORE & 2-STORY BUILDING AREA OF THE  
FACILITY TAKEN FROM THE ROOF DECK OF  
THE WEST GYM/POOL BUILDING AREA



VIEW OF THE LOWER EAST SIDE ROOF  
DECK OVER THE SE CORNER CENTRAL  
CORE AREA OF THE FACILITY





VIEW OF THE SE CORNER CENTRAL CORE BUILDING AREA UPPER ROOF DECKS TAKEN FROM THE 3<sup>RD</sup> FLOOR OF THE NE CORNER BUILDING AREA



VIEW OF THE EAST SIDE LOWER ROOF DECK OF THE MAIN CENTRAL CORE AREA OF THE FACILITY



TYPICAL VIEW OF THE MAIN CENTRAL ENTRY CORRIDOR AREA OF THE FACILITY



INTERIOR VIEW OF THE NW CORNER GYMNASIUM OF THE WEST SIDE ADDITION



INTERIOR VIEW OF A TYPICAL LOCKER ROOM AREA WITHIN THE WEST SIDE BUILDING ADDITION



VIEW OF A TYPICAL LOCKER ROOM SHOWER AREA





VIEW OF THE WEST SIDE BUILDINGS  
INTERIOR 2<sup>ND</sup> FLOOR EXERCISE  
TRAINING ROOM



VIEW OF THE WEST SIDE BUILDINGS 2<sup>ND</sup>  
FLOOR HVAC MECHANICAL ROOM



VIEW OF THE FACILITY BOILERS PRESENT  
WITHIN THE BASEMENT OF THE WEST  
BUILDING ADDITION



VIEW OF THE TYPICAL INTERIOR STEAM &  
DOMESTIC WATER PIPING INSULATIONS  
PRESENT THROUGHOUT



INTERIOR VIEW OF A TYPICAL WATER  
HOLDING TANK THAT COVERED WITH AN  
ASBESTOS JACKET TYPE INSULATION



TYPICAL VIEW OF THE SWIMMING POOLS  
BASEMENT MECHANICAL CRAWL SPACE &  
WELL WATER HOLDING TANK ALSO JACKETED  
WITH ASBESTOS INSULATION





TYPICAL INTERIOR VIEW OF THE  
WEST SIDE BUILDINGS SOUTHERN  
SWIMMING POOL AREA



VIEW OF A TYPICAL BANQUET ROOM  
AREA WITHIN THE CENTRAL CORE  
SE AREA OF THE FACILITY



VIEW OF THE SE CENTRAL CORE  
BUILDING AREA STAFF OFFICES AREA



VIEW OF THE CRAWL SPACE AREA UNDER  
THE 2-STORY BUILDING AREA OF THE SE  
CENTRAL CORE OF THE FACILITY



TYPICAL INTERIOR HALLWAY WITHIN THE  
CENTRAL CORE SE AREA OF THE FACILITY



VIEW OF THE CENTRAL CORES, ENTRY LOBBY  
ROOM & ACCESS TO THE 3-STORY BUILDING  
AREA OF THE FACILITY; CEILING TILE, FLOOR  
TILE & HIDDEN STEAM PIPING SYSTEMS  
ARE REGULATED ACMs



INTERIOR VIEW OF THE CENTRAL CORES  
BANQUET ROOMS AREA KITCHEN



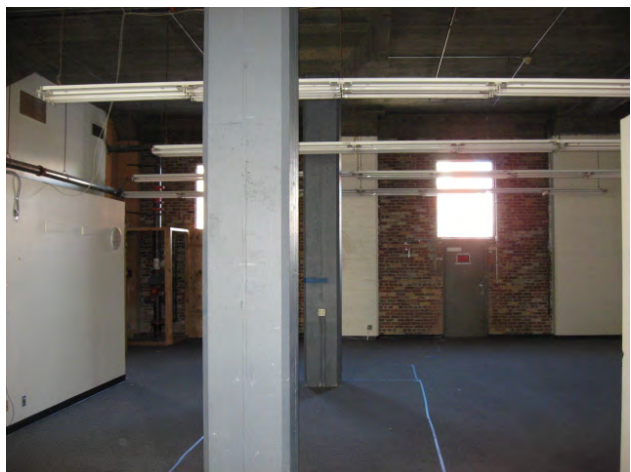
INTERIOR VIEW OF THE 2<sup>ND</sup> FLOOR MAIN  
OFFICES AREA OF THE CENTRAL CORE SE  
BUILDING AREA OF THE FACILITY



VIEW OF THE HIDDEN ACM BROWNS-COAT  
CEILING TEXTURE PRESENT WITH THE 2<sup>ND</sup>  
FLOOR OFFICES AREA OF THE CENTRAL  
CORE BUILDING AREA OF THE FACILITY



TYPICAL INTERIOR VIEW OF THE NE 3-STORY  
BUILDING AREA OF THE FACILITY



ANOTHER INTERIOR VIEW OF THE NE  
3-STORY BUILDING AREA OF THE FACILITY



TYPICAL INTERIOR PIPING INSULATIONS  
PRESENT WITHIN THE 3-STORY BUILDING  
AREA OF THE FACILITY