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# HAZARDOUS MATERIALS SURVEY REPORT

**WESTPORT HIGH SCHOOL  
315 EAST 39<sup>TH</sup> STREET  
KANSAS CITY, MISSOURI**



Prepared For:

**City of Kansas City  
City Planning and Development Department  
414 E. 12<sup>th</sup> Street, 15<sup>th</sup> Floor  
Kansas City, Missouri 64106**

April 13, 2011

Prepared By:

**Family Environmental, Inc.**  
COMPLIANCE SERVICES / SITE CLEARING SERVICES

600 East 8<sup>th</sup> Street, Suite B  
Kansas City, Missouri 64106

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## **SECTION 1 INTRODUCTION**

Family Environmental Compliance Services, Inc. (Family Environmental) was contracted by the City of Kansas City Missouri (City) to perform a hazardous materials survey to determine the presence of potentially hazardous materials remaining in this building. The building to be inspected is located at 315 East 39<sup>th</sup> Street, Kansas City, Missouri. This hazardous materials survey consisted of an asbestos inspection, lead-based paint inspection, and the quantification of any remaining containerized hazardous and household hazardous waste products, a PCB survey, and observations of mold. This survey took place February 14, 2011 thru February 25, 2011.

The City is coordinating with the Kansas City Missouri School District in their efforts to “re-purpose” or sell this unoccupied property. The purpose of this survey was to test all possible areas that may contain asbestos, lead-based paint, and quantify all remaining chemicals.



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## SECTION 2 ASBESTOS INSPECTION

This asbestos inspection was conducted according to the *United States Environmental Protection Agency (EPA) procedures published in 40 Code of Federal Regulations (CFR) Part 763, Subpart E – Asbestos-containing Materials in Schools*. These inspection protocols specify requirements for the inspector (Section 763.85), laboratory (Section 763.87), and number of samples collected during an inspection (Section 763.86). Appendix A contains inspector certification for Mr. Michael Dustman.

This inspection involved identification and sampling of all suspect asbestos containing material (ACM) in all accessible areas located throughout this building. Suspect ACM includes nearly all building materials except glass, metal, and wood. Bulk samples of suspect ACM were collected in general conformance with AHERA protocols. Random samples of suspect materials were collected in each homogeneous area. An appropriately attired inspector collected all bulk samples using wet methods, as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

### 2.1 ASBESTOS CONTAINING MATERIALS

ACM contains asbestos greater than 1 percent, (> 1% asbestos) as confirmed by an accredited laboratory. ACM is categorized as nonfriable or friable asbestos. Nonfriable asbestos is any material that *cannot* be crumbled, pulverized or reduced to a powder by hand pressure when dry. Friable asbestos *can* be crumbled, pulverized, or reduced to a powder by hand pressure when dry. Three types of ACM were identified at Robeson School during the inspection: suspect, known, and assumed ACM. Suspect ACM is classified as building materials suspected to contain asbestos. Known ACM are building materials known to contain asbestos. For this inspection, assumed ACM is classified as building materials assumed to contain asbestos.

The EPA and the Occupational Safety and Health Administration (OSHA) maintain comprehensive lists of suspect ACM frequently found during inspections. Family Environmental identified 62 of these suspect materials in building. Appendix B contains summary tables of the samples taken with results. Appendix C contains a list of every homogeneous area sampled during this survey. Appendix D contains the analytical results from the laboratory. Appendix E contains photographs of positive samples. Appendix F contains figures and details the location of each sample and distinction of positive or negative for asbestos.

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## 2.2 SUSPECT ASBESTOS CONTAINING MATERIALS

Suspect ACM are building materials historically known to contain asbestos and therefore suspected to contain asbestos. The following suspect friable and non-friable materials were observed during the inspection:

### Friable Materials:

- White 2x4 Fissures and Pin Holes Ceiling Tile
- White 2x4 Long Fissure and Pin Hole Ceiling Tile
- White 2x4 Pin Hole Ceiling Tile
- Leveling Compound
- White 12x12 Pencil Hole and Glue Dots Ceiling Tile
- Fire Door Material
- Fireproofing
- Tan Fire Curtain
- Off-White/Tan Fire Curtain
- Black Fire Curtain

### Non-Friable Materials:

- Grey with Grey Specks 12x12 Floor Tile and Mastic
- Grey 3" Cove Base and Mastic
- Blue Wall Plaster
- White Drywall and Joint Compound
- Brown with Brown Streaks 12x12 Floor Tile and Mastic
- Brown 3" Cove Base and Mastic
- Yellow Wall Plaster
- White Painted Caulking
- Black Caulking
- White Wall Plaster with Drywall
- White CP-11 Mudded TSI Joints
- Pink Painted Ceiling Plaster with Drywall
- Grey Caulking
- White Painted Wall Texture

- 
- Yellow Painted Wall Texture
  - White Painted Drywall and Joint Compound with Wall Texture
  - Yellow Painted Drywall and Joint Compound with Wall Texture
  - White 9x9 Floor Tile with Black Mastic
  - Light Purple with Brown Streaks 12x12 Floor Tile and Mastic
  - Black 3” Cove Base and Mastic
  - White Sandy Texture Wall Plaster with Drywall
  - Tan Wall Plaster
  - Tan Ceiling Plaster
  - White Painted Drywall with Joint Compound
  - Green Fire Rated Drywall
  - Brown Glue Pucks
  - Vinyl Covered Drywall Wall Paneling
  - Brown Glue
  - Light Grey with Grey Streaks 12x12 Floor Tile and Mastic
  - Grey Cove Base and Mastic
  - Brown with Red and White Streaks 9x9 Floor Tile and Mastic
  - White and Tan 12x12 Floor Tile and Mastic
  - Tan with White, Red and Black Streaks 9x9 Floor Tile and Mastic
  - Green Wall Plaster
  - Grey Cove Base and Mastic
  - Pink Painted Wall Plaster
  - Tan and Brown 12x12 Floor Tile and Mastic
  - White with Grey Streaks 12x12 Floor Tile and Mastic
  - Light Purple with Brown Streaks 12x12 Floor Tile and Mastic
  - Light Blue with Grey Streaks 12x12 Floor Tile and Mastic
  - White with Swirls 12x12 Floor Tile and Mastic
  - Tan with Brown Specks 12x12 Floor Tile and Mastic
  - Black Glue
  - Grey Painted 12x12 Floor Tile and Mastic
  - Red Stair Tread and Mastic
  - Grey Sidewalk Caulking

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- Blue Painted Grey Door Caulking
  - Grey Window Caulking
  - White Sheet Linoleum
  - Dark Grey 12x12 Floor Tile and Mastic
  - Red Cove Base and Mastic
  - All Roofing Material (Assumed, not sampled)

## **2.3 KNOWN ASBESTOS CONTAINING MATERIALS**

Asbestos containing materials are building materials known to contain asbestos greater than 1 percent confirmed by laboratory analysis. On February 14, 2011 thru February 25, 2011 Family Environmental inspected this building. The following sections identify known materials observed during the inspection of the building. Appendix B summarizes known ACM. Laboratory data confirmed the presence of asbestos in quantities greater than 1 percent in the following building materials in Westport High School:

- White 9x9 Floor Tile with Black Mastic is located in the southeast corner of Room G02. The floor tile contains 20% Chrysotile asbestos and the black mastic contains 22% Chrysotile asbestos. Approximately 113 square feet of floor tile and mastic was observed in the same location in this building.
- Brown with Red and White Streaks 9x9 Floor Tile and Black Mastic is located in a closet in Room G19 along the east wall. The floor tile contains 10% Chrysotile asbestos and the mastic contains 22% asbestos. Approximately 90 square feet of floor tile and mastic was observed in the same location in this building.
- White and Tan Streaked 12x12 Floor Tile and Mastic is located in Room G21. The floor tile is non-detect for asbestos, but the mastic contains 5% Chrysotile asbestos. Approximately 450 square feet of floor tile and mastic was observed in the same location in this building.
- Tan with White, Red and Black Streaks 9x9 Floor Tile and Mastic is located in Room G21. The floor tile contains 2% Chrysotile asbestos and the mastic contains 22% asbestos. Approximately 450 square feet of floor tile and mastic was observed in the same location in this building.
- Grey Painted 12x12 Floor Tile and Mastic is located in the southeast stairwell of the original 1908 constructed portion of this building. The floor tile contains 20% Chrysotile asbestos and the mastic contains 22% Chrysotile asbestos. Approximately 100 square feet of floor tile and mastic were observed in the same location in this building.

Many of the materials sampled and identified as ACM were homogenous throughout this building. A homogeneous area consists of materials which appear similar throughout in terms of color, texture, and date of application. Samples were collected from each homogenous area. Materials observed were not

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significantly damaged and thus do not pose a risk to human health or the environment, unless disturbed. See full tables and results in Appendix B, C, and D.

## **2.4 ASSUMED ASBESTOS CONTAINING MATERIALS**

During this inspection Family Environmental could not sample all suspect materials in the building. Family Environmental is assuming the built-up tar roofing material and the roof flashing material contain asbestos. A large amount of snow had fallen the day before sampling began and covered the roof. It was a safety concern to be out on the roof. Also Family Environmental did not want to void any warranties associated with the roof due to destructive sampling methods. These sampling methods would damage the roof and allow water to infiltrate the building. The roof is approximately 76,800 square feet of roof sheeting material and 1,600 square feet of assumed roof flashing.

## **2.5 RECOMMENDATIONS**

Bulk samples were submitted under chain of custody procedures to River North Environmental Testing, Inc. (RNET) of Denver, Colorado, for analysis by polarized light microscopy with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart F). Microscopical visual estimation was used in obtaining the percentage of asbestos in bulk samples. RNET is accredited under the National Voluntary Laboratory Accreditation Program NVLAP (200448-0). Appendix D contains these analytical results.

Family Environmental recommends testing and removal of areas of assumed ACM prior to renovation/restoration activities. Family Environmental recommends contracting a professional certified asbestos abatement contractor to remove the assumed ACM prior to conducting renovation and or restoration activities which may disturb the assumed ACM. Family Environmental also recommends that air sampling take place during and after the asbestos removal, if the building will be occupied again.

## **2.6 ASBESTOS ABATEMENT COST ESTIMATE**

Family Environmental estimates the following costs for the abatement of the known and assumed ACM.

<b>Item</b>	<b>Material Description</b>	<b>Location</b>	<b>Quantity</b>	<b>Unit Price for Removal</b>	<b>Abatement Cost</b>
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1	White 9x9 Floor Tile and Mastic	Room G02	113 SF	\$1.75 / SF	\$197.75
2	Brown with Red and White Streaks Floor Tile and Mastic	Room G19	90 SF	\$1.75 / SF	\$157.50
3	White and Tan Streaked Floor Tile and Mastic	Room G21	450 SF	\$1.75 / SF	\$787.50
4	Brown with Red, White, and Black Streaks Floor Tile and Mastic	Room G21	450 SF	\$1.75 / SF	\$787.50
5	Grey Painted 12x12 Floor Tile and Mastic	Southeast Stairwell	100 SF	\$1.75 / SF	\$175.00
6	Assumed Roof Flashing	Roof	1,600 SF	\$2.00 / SF	\$3,200.00
7	Assumed Built-Up Tar Roof	Roof	76,800 SF	\$2.00 / SF	\$153,600.00

The overall total estimated cost for asbestos abatement of the assumed ACM is \$158,905.25. Please note that this abatement cost estimate is based on quantities of building materials observed during the survey process. All quantities should be verified prior to abatement.

## 2.7 GENERAL COMMENTS

This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the City Kansas City, Missouri for specific application to their project as discussed. Contractors or consultants reviewing this report must draw their own conclusions and quantities regarding further investigation or remediation costs deemed necessary. Family Environmental does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

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## SECTION 3 LEAD-BASED PAINT INSPECTION

This Lead-Based Paint (LBP) inspection was conducted by Family Environmental Compliance Services, Inc. (Family Environmental), on February 14 thru February 25, 2011, by Mr. Michael Dustman, a Missouri certified Lead Inspector/Risk Assessor. The use of LBP was discontinued in 1978. Since this building was built prior to 1978, Family Environmental tested for LBP. The LBP inspection consisted of a Family Environmental representative sampling all paints throughout Westport High School. Westport High School was inspected under Subpart L of the U.S. Department of Housing and Urban Development (HUD) Guidelines. The Risk Assessor's certification is located in Appendix A. Painted building components were identified and tested for the presence of LBP using an Innov-X Systems™ X-Ray Fluorescence (XRF) Analyzer calibrated for detection of LBP. Although reasonable effort was made to sample accessible painted surfaces, additional painted surfaces could be located in walls, in voids, or in other concealed areas not accessible at the time of this inspection. Painted surfaces were tested in general conformance with the LBP testing protocols outlined by HUD in the Residential LBP Hazard Reduction Act of 1992 (Title X) and The LBP Poisoning Prevention in Certain Residential Structures Environmental Protection Agency (EPA) Code of Federal Regulations (CFR) 40 Part 745. In lieu of collecting paint chip samples for laboratory analysis, Family Environmental utilized XRF Technology to test for LBP surface coatings.

### 3.1 RESULTS

The results of the lead-based paint testing show the original building constructed in 1908 contains significant volumes of LBP. A plaster skim coat has been applied to all walls in this building below the installed drop ceilings. This is to prevent exposure to the LBP. The LBP is accessible above every classroom drop ceiling. No LBP was identified in the 1964 or 1992 later additions. The following 52 building components were found to contain LBP:

- Tan Painted East Wall above Drop Ceiling of Room G30, approximately 800 SF
- Tan Painted Ceiling above Drop Ceiling of Room G30, approximately 900 SF
- Tan Painted Ceiling above Drop Ceiling of Room G30 approximately 30 SF
- Tan Painted East Wall above Drop Ceiling of Room G31, approximately 25 SF
- Tan Painted Ceiling above Drop Ceiling of Room G31, approximately 900 SF
- Green Painted East Wall above Drop Ceiling of Room G31, approximately 400 SF
- White Painted Ceiling above Drop Ceiling in Room G31, approximately 500 SF
- Green Painted Ductwork above Drop Ceiling in Room G31, approximately 400 SF

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- White Painted Window on East Wall of Room G31, approximately 15 SF
  - Robin Egg Blue Painted East Wall above Drop Ceiling in Room G32, approximately 800 SF
  - White Painted Ceiling above Drop Ceiling in Room G32, approximately 900 SF
  - White Painted Piping above Drop Ceiling in Room G32, approximately 30 SF
  - Pink Painted Stair Stringer, East Stair, approximately 100 SF
  - Grey Painted Stair Tread, approximately 200 SF
  - Blue Painted East Wall of Room G05, approximately 270 SF
  - White Painted West Wall above Drop Ceiling in Room G05, approximately 800 SF
  - Light Yellow, Former Wall Receptacle, East Wall of East Hall by Room G05 and G06, approximately 40 SF
  - Tan Painted North Wall of Room G06, approximately 100 SF
  - Light Yellow Painted Southwest Closet in Room G06, approximately 40 SF
  - Brown Painted North Wall in Southwest Closet in Room G06, approximately 40 SF
  - Blue Painted Northeast Stair Newel Post, approximately 4 SF
  - Tan Painted Hallway Wall above Drop Ceiling, approximately 1,275 SF
  - Light Pink Painted Ceiling of Storage Room in Room G11, approximately 300 SF
  - Light Pink Painted North Wall of Storage Room in Room G11, approximately 150 SF
  - Light Pink Painted North Wall in Storage Room in Room G13, approximately 150 SF
  - White Painted Duct Work in Ceiling of Room G12, approximately 425 SF
  - Tan Painted South Wall above Drop Ceiling in Room G13, approximately 800 SF
  - Tan Painted Ceiling along South Wall above Drop Ceiling in Room G13, approximately 900 SF
  - Tan Painted Air Duct above Drop Ceiling in Room G14, approximately 200 SF
  - Tan Painted East Wall of Room G17
  - Light Yellow, Former Wall Receptacle, West Wall of West Hall by Room G18, approximately 40 SF
  - Light Pink Painted SW Corner of Room G18, approximately 200 SF
  - Light Green Painted N. Wall of Room G19, approximately 800 SF
  - Multi-Colored Painted West Wall in Room G21, approximately 800 SF
  - Green Painted Air Duct Louver, North Wall of Room 121, approximately 5 SF
  - Blue Painted Air Duct Louver, South Wall of Room 120, approximately 5 SF
  - White painted Auditorium South Wall, approximately 2,400 SF
  - White Painted Auditorium East Wall, approximately 1,600 SF
  - Black Painted South Wall, Stage Right, approximately 400 SF



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- Tan Painted North Wall, Stage Left, approximately 400 SF
  - Tan Painted North Wall in Principal's Office above Drop Ceiling, approximately 1,200 SF
  - Tan Painted East Wall in Counselor's Office above Drop Ceiling, approximately 800 SF
  - White Painted Light Well Window Frame, Exterior, approximately 500 SF
  - Tan Painted East Wall in Room 109, approximately 300 SF
  - White Painted East Wall of 2<sup>nd</sup> Floor Auditorium Balcony, approximately 800 SF
  - Brown Painted North Wall by Window of Room 212, approximately 300 SF
  - Tan Painted West Wall of Room 219, approximately 300 SF
  - Tan Painted East Wall of Room 206, approximately 300 SF
  - Tan Painted North Wall of Room 316, approximately 300 SF
  - Tan Painted North Wall of Room 318, approximately 750 SF
  - Tan Painted West Wall of Room 318, approximately 450 SF
  - Tan Painted North Wall of Room 317, approximately 750 SF

The above listed areas or items are positive for LBP. Results, descriptions, photos, and figures of the lead inspection can be found in Appendix G, H, and I. Photographic documentation was electronically lost from sample #79 up to sample #107.

### **3.2 REGULATORY OVERVIEW**

LBP Poisoning Prevention in Certain Residential Structures (40 CFR Part 745) regulates LBP Hazards, Residential Property Renovation, Disclosure of Known LBP and/or LBP Hazards Upon Sale or Lease of Residential Property, and State and Indian Tribal Programs. Under 40 CFR Part 745, LBP is classified as either intact or deteriorated, intact paint is any interior or exterior paint or surface coating that is not peeling, chipping, chalking, or cracking, or any paint or surface coating located on an interior or exterior surface or fixture that is undamaged or otherwise separated from the substrate. Deteriorated paint is any interior or exterior paint or other coating that is peeling, chipping, chalking, or cracking, or any paint or coating located on an interior or exterior surface or fixture that is otherwise damaged or separated from the substrate. This regulation also requires the owner or operator to distribute the pamphlet Protect your Family from Lead in your Home to occupants of most pre-1978 residential housing before beginning renovations if the renovation activity will disturb more than two square feet of a painted surface. LBP is any paint or surface coating that contains lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

Renovation or modification of any existing structure, or portion thereof, that results in the disturbance of painted surfaces, unless that activity is performed as part of an abatement as defined by 40 CFR 745.223. The term renovation includes (but is not limited to): the removal or modification of painted surfaces or painted components (e.g., modification of painted doors, surface preparation activity (such as sanding, scraping, or other such activities that may generate paint dust)); the removal of large structures (e.g., wall, large surface re-plastering, or major re-plumbing); and window replacement. The owner or operator must provide the State of Missouri Department of Health and Senior Services, with written notification of planned renovation/removal activities at least 60 working days prior to the commencement of renovation/removal activities. Removal of any LBP must be conducted by a trained and appropriately licensed LBP abatement contractor.

The Occupational Safety and Health Administration (OSHA) Lead standard for the construction industry (29 CFR 1926.62) regulates workplace exposure to lead. The OSHA standard requires that employee exposure to an airborne concentration of lead be less than 30 micrograms per cubic meter of air calculated as an 8-hour time weighted average. The OSHA standard classifies construction and maintenance activities which could disturb lead, and specifies work practices and precautions which employers must follow when engaging in each type of regulated work.

### 3.3 LEAD-BASED PAINT ABATEMENT COST ESTIMATE

Family Environmental estimates the following costs for the abatement of the discovered LBP.

Item	Material Description	Location	Quantity-Square Feet (SF)	Unit Price for Removal	Abatement Cost
1	Tan Painted East Wall above Drop Ceiling	Room G30	800 SF	\$10.00 / SF	\$8,000.00
2	Tan Painted Ceiling above Drop Ceiling	Room G30	900 SF	\$10.00 / SF	\$9,000.00
3	Tan Painted Ceiling above Drop Ceiling	Room G30	30 SF	\$10.00 / SF	\$300.00
4	Tan Painted East Wall above Drop Ceiling	Room G31	400 SF	\$10.00 / SF	\$4,000.00
5	Tan Painted Ceiling above Drop Ceiling	Room G31	900 SF	\$10.00 / SF	\$9,000.00
6	Green Painted East Wall	Room G31	400 SF	\$10.00 / SF	\$4,000.00
Item	Material Description	Location	Quantity-Square Feet (SF)	Unit Price for Removal	Abatement Cost
7	White Painted Ceiling	Room G31	500 SF	\$10.00 / SF	\$5,000.00

8	Green Painted Ductwork	Room G31	400 SF	\$10.00 / SF	\$4,000.00
9	White Painted Window	Room G31	15 SF	\$10.00 / SF	\$150.00
10	Robing Egg Blue Painted East Wall	Room G32	800 SF	\$10.00 / SF	\$8,000.00
11	White Painted Ceiling	Room G32	900 SF	\$10.00 / SF	\$9,000.00
12	White Painted Piping	Room G32	30 SF	\$10.00 / SF	\$300.00
13	Pink Stair Stringer	Stair	100 SF	\$10.00 / SF	\$1,000.00
14	Grey Stair Tread	Stair	200 SF	\$10.00 / SF	\$2,000.00
15	Blue East Wall	Room G05	270 SF	\$10.00 / SF	\$2,700.00
16	White West Wall	Room G05	800 SF	\$10.00 / SF	\$8,000.00
17	Light Yellow, Former Receptacle	Hall	40 SF	\$10.00 / SF	\$400.00
18	Tan North Wall	Room G06	100 SF	\$10.00 / SF	\$1,000.00
19	Light Yellow, SW Closet	Room G06	40 SF	\$10.00 / SF	\$400.00
20	Brown North Wall	Room G06	40 SF	\$10.00 / SF	\$400.00
21	Blue Stair Newel Post	Stair	4 SF	\$10.00 / SF	\$40.00
22	Tan Hallway	Hall	1,275 SF	\$10.00 / SF	\$12,750.00
23	Light Pink Ceiling	Room G11	300 SF	\$10.00 / SF	\$3,000.00
24	Light Pink North Wall	Room G11	150 SF	\$10.00 / SF	\$1,500.00
25	Light Pink North Wall	Room G12	150 SF	\$10.00 / SF	\$1,500.00
26	White Painted Duct	Room G12	425 SF	\$10.00 / SF	\$4,250.00
27	Tan South Wall	Room G13	800 SF	\$10.00 / SF	\$8,000.00
28	Tan South Wall	Room G13	900 SF	\$10.00 / SF	\$9,000.00
29	Tan Air Duct	Room G14	200 SF	\$10.00 / SF	\$2,000.00
30	Tan East Wall	Room G17	180 SF	\$10.00 / SF	\$1,800.00
31	Light Yellow Base of Stairs	Stair	40 SF	\$10.00 / SF	\$400.00
Item	Material Description	Location	Quantity-Square Feet (SF)	Unit Price for Removal	Abatement Cost
32	Light Pink West Wall	Room G18	200 SF	\$10.00 / SF	\$2,000.00

33	Light Green North Wall	Room G19	800 SF	\$10.00 / SF	\$8,000.00
34	Multi-Colored West Wall	Room G21	800 SF	\$10.00 / SF	\$8,000.00
35	Green North Wall	Room 121	5 SF	\$10.00 / SF	\$50.00
36	Blue South Wall	Room 120	5 SF	\$10.00 / SF	\$50.00
37	White South Wall	Auditorium	2,400 SF	\$10.00 / SF	\$24,000.00
38	White East Wall	Auditorium	1,600 SF	\$10.00 / SF	\$16,000.00
39	Black South Wall	Stage Right	400 SF	\$10.00 / SF	\$4,000.00
40	Tan North Wall	Stage Left	400 SF	\$10.00 / SF	\$400.00
41	Tan North Wall	Principal's Office	1,200 SF	\$10.00 / SF	\$12,000.00
42	Tan East Wall	Counselor's Office	800 SF	\$10.00 / SF	\$8,000.00
43	White Light Well Window Frame	Exterior	500 SF	\$10.00 / SF	\$5,000.00
44	Tan East Wall	Room 109	300 SF	\$10.00 / SF	\$3,000.00
45	White East Wall	Auditorium	800 SF	\$10.00 / SF	\$8,000.00
46	Brown North Wall	Room 219	300 SF	\$10.00 / SF	\$3,000.00
47	Tan West Wall	Room 206	300 SF	\$10.00 / SF	\$3,000.00
48	Tan East Wall	Room 206	300 SF	\$10.00 / SF	\$3,000.00
49	Tan North Wall	Room 316	300 SF	\$10.00 / SF	\$3,000.00
50	Tan North Wall	Room 318	750 SF	\$10.00 / SF	\$7,500.00
51	Tan West Wall	Room 318	450 SF	\$10.00 / SF	\$4,500.00
52	Tan North Wall	Room 317	750 SF	\$10.00 / SF	\$7,500.00

The overall total estimated cost for LBP Abatement of the surveyed LBP is \$216,590.00. Please note that this abatement cost estimate is based on quantities of building materials observed during the survey process. All quantities should be verified prior to abatement.

### 3.4 RECOMMENDATIONS

Family Environmental recommends a TCLP sample be taken during renovation/restoration activities to ensure waste is suitable for landfill. If the City needs to have LBP removal completed, Family

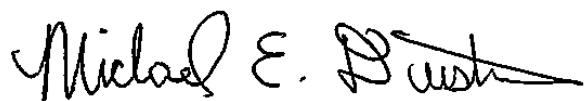
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Environmental recommends using the EPA standard for residential testing. Any lead abatement should be completed by a qualified, licensed lead abatement company.

### **3.5 GENERAL COMMENTS**

This LBP inspection was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings and recommendations expressed in this report are based on conditions observed during Family Environmental's survey of the property. The information contained in this report is relevant to the date on which this LBP inspection was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the Kansas City Missouri School District for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Family Environmental does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

This Lead-Based Paint Inspection Report was prepared by:



Michael E. Dustman

State of Missouri Licensed Lead Inspector/Risk Assessor  
Family Environmental Compliance Services, Inc.  
600 East 8<sup>th</sup> Street, Suite B  
Kansas City, Missouri 64106  
Phone: (816) 527-0101  
Fax: (816) 527-0118

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## SECTION 4 HHW MEDIA SURVEY

On February 25, 2011 Mr. Michael Dustman began to quantify all of the remaining items in Westport High School that could be deemed as hazardous. This includes but is not limited to; harmful chemicals cleaners, light ballasts, mercury thermostats, fluorescent light bulbs, incandescent light bulbs, batteries, etc. Only Non- PCB light ballasts were observed. Some harmful chemicals were observed remaining in this building. The results of the survey and overall quantity totals can be found in Appendix J.

### 4.1 RECOMMENDATION

Family Environmental recommends completely removing all harmful chemicals found during the media survey. A list of all chemicals observed is located in Appendix J.

### 4.2 COST ESTIMATE FOR HHW DISPOSAL

Family Environmental estimates the following costs for the disposal of the HHW inventory, located in Appendix J.

Item	Material Description	Quantity	Unit Price for Disposal	Disposal Cost
1	Ink Toner Cartridges	38	\$5.00 each	\$190.00
2	Oven Cleaner	1-1 gallon	\$5.00 each	\$5.00
3	Paint Cans	30-1 gallon	\$5.00 each	\$150.00
4	Paint Buckets	5-5 gallon	\$5.00 / gal.	\$125.00
5	Fluorescent Light Tubes	3,772	\$5.00 each	\$18,860.00
	Incandescent Light Bulbs	17	2.00 each	\$34.00
6	Non-PCB Ballasts	1,815	\$12.00 each	\$21,780.00
7	Mercury Thermostats	3	\$25.00 each	\$75.00
	Computer Towers	503	\$25.00 each	\$12,575.00
	Scanners	4	\$25.00 each	\$100.00
8	Window Mounted AC Units	20	\$45.00 each	\$900.00
	Refrigerators	7	\$45.00 each	\$315.00
9	T.V.s and Computer Monitors	1,000	\$25.00 each	\$25,000.00

The overall total estimated cost for disposal of the surveyed HHW is \$80,109.00. Please note that this disposal cost estimate is based on quantities of items observed during the survey process. All quantities should be verified prior to disposal.

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## **SECTION 5 PCB MATERIAL SURVEY**

### **5.1 PCB BUILDING ASSESSMENT**

Family Environmental surveyed Westport High School for the presence of Polychlorinated Biphenyl (PCB) materials. During this survey, Family Environmental observed caulking material around exterior doors, windows and sidewalks. The caulking material appeared to be grey. Family Environmental observed No-PCB labels on all of the ballasts in this building. According to the EPA, buildings built after 1978 do not have PCBs in caulking. PCBs were used in building materials from the 1950s through the 1970s because the PCB additive gave the material more flexibility and held up against the outdoor elements.

### **5.2 SAMPLING PROCEDURES**

Family Environmental searched each room for materials known to possibly contain PCBs. These items include caulks and fluorescent lighting ballasts. A minimum of two light fixtures were opened in each classroom and hallway revealing the lighting ballasts. All of the ballasts observed contained No-PCB stickers. Caulking was observed around exterior doors, windows and the sidewalk. Family Environmental collected a total of three caulking samples for laboratory analysis, WPH-1, WPH-2 and WPH-3. The caulking samples were removed with a razor knife and placed into a two ounce jar. The sample was sent to Environmental Science Corporation (ESC), located in Mt. Juliette, Tennessee under proper chain of custody procedures. The caulking sample was submitted for PCB analysis according to EPA Method SW-846. Laboratory analytical results are located in Appendix K.

### **5.3 PCB RESULTS**

The laboratory analytical data did not indicate the presence of PCB containing material in the caulking samples collected.

### **5.4 PCB COST ESTIMATE FOR DISPOSAL**

No PCB materials were identified, therefore no cost estimate is provided.

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## SECTION 6 MOLD OBSERVATIONS

### 6.1 GENERAL BUILDING OBSERVATIONS

Family Environmental did not observe any conditions in this school building to which mold has grown.

No mold impacts were observed throughout this entire building. No bulk or air samples of mold impacted areas were collected during this survey.



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## **SECTION 7 CONCLUSION AND RECOMMENDATIONS**

Family Environmental has performed this hazardous materials survey for the property located at 315 East 39<sup>th</sup> Street, Kansas City, Missouri. This environmental hazardous materials survey report consisted of an asbestos inspection, a lead-based paint inspection, a household hazardous waste (HHW) survey, a PCB survey, and observable mold conditions. Family Environmental found materials which contain asbestos, lead-based paint, observed chemicals remaining in this building, did not observe PCB containing materials or moldy conditions throughout this building. Family Environmental recommends that this building be properly cleaned out of harmful chemicals and that the chemicals are properly disposed of at a facility that accepts HHW. If any renovation is to take place, Family Environmental recommends proper location and abatement all identified ACM and LBP prior to renovation activities.

## **APPENDIX A**

### **FAMILY ENVIRONMENTAL COMPLIANCE SERVICES, INC. CERTIFICATIONS**

Expiration Date: **6/2/2011**

Certificate Number: 7001052410MOIR10770

Training Date: **5/24/2010**

**Missouri State Certificate for Asbestos Related Occupations**

issued by Department of Natural Resources

P.O. Box 176

Jefferson City, MO 65102

Phone (573) 751-4817

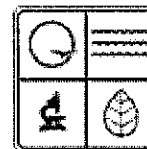
**Michael E. Dustman**

has successfully completed the requirements for certification as a INSPECTOR. This Missouri State Certification is subject to review and the director may deny, suspend or revoke the certification per RSMo chapter 643.230.

6/2/2010

Date

  
Director of Air Pollution Control Program



**STATE OF MISSOURI**  
**DEPARTMENT OF HEALTH AND SENIOR SERVICES**

**LEAD OCCUPATION LICENSE REGISTRATION**

Issued to:

**MICHAEL DUSTMAN**

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

Lead Risk Assessor  
Category of License

Issuance Date: 2/21/2011  
Expiration Date: 2/21/2013  
License Number: 070221-300001524



*Margaret T. Donnelly*

Margaret T. Donnelly  
Director

Department of Health and Senior Services

# **STATE OF MISSOURI ENVIRONMENTAL REGULATION & LICENSURE**

## **LEAD OCCUPATION LICENSE REGISTRATION**

Issued to:

**MICHAEL DUSTMAN**

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

Lead Risk Assessor

Category of License

Issuance Date: 2/21/2009

Expiration Date: 2/21/2011

License Number: 070221-300001524



Margaret T. Donnelly  
Director

Department of Health and Senior Services

## **APPENDIX B**

### **SUMMARY OF ASBESTOS SAMPLES AND RESULTS**

**Table 1: Summary of Asbestos Samples and Results**  
**Westport High School**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-FTM-G-1-1	Grey with with Grey Streaks 12x12 Floor Tile and Mastic	SW Corner of the Cafeteria	Ground	Good	No	ND	8,300 SF
WHS-FTM-G-1-2	Grey with with Grey Streaks 12x12 Floor Tile and Mastic	SE Corner of the Cafeteria	Ground	Good	No	ND	
WHS-FTM-G-1-3	Grey with with Grey Streaks 12x12 Floor Tile and Mastic	NE Corner of the Cafeteria	Ground	Good	No	ND	
WHS-CBM-G-2-4	Grey 3" Cove Base and Mastic	SW Blue Column in Cafeteria	Ground	Good	No	ND	500 LF
WHS-CBM-G-2-5	Grey 3" Cove Base and Mastic	NW Blue Column in Cafeteria	Ground	Good	No	ND	
WHS-CBM-G-2-6	Grey 3" Cove Base and Mastic	NE Blue Column in Cafeteria	Ground	Good	No	ND	
WHS-CT-G-3-7	White 2x4 Pencil Hole Ceiling Tile	SW Corner of the Cafeteria	Ground	Good	Yes	ND	7,300 SF
WHS-CT-G-3-8	White 2x4 Pencil Hole Ceiling Tile	NW Corner of Cafeteria	Ground	Good	Yes	ND	
WHS-CT-G-3-9	White 2x4 Pencil Hole Ceiling Tile	NE Corner of the Cafeteria	Ground	Good	Yes	ND	
WHS-CT-G-4-10	White 2x4 Fissures and Pin Hole Ceiling Tile	SW Corner of the Cafeteria	Ground	Good	Yes	ND	1,000 LF
WHS-CT-G-4-11	White 2x4 Fissures and Pin Hole Ceiling Tile	NW Corner of Cafeteria	Ground	Good	Yes	ND	
WHS-CT-G-4-12	White 2x4 Fissures and Pin Hole Ceiling Tile	NE Corner of the Cafeteria	Ground	Good	Yes	ND	
WHS-WP-G-5-13	Blue Painted Wall Plaster	SW Blue Column in Cafeteria	Ground	Good	No	ND	120 SF
WHS-WP-G-5-14	Blue Painted Wall Plaster	NW Blue Column in Cafeteria	Ground	Good	No	ND	
WHS-WP-G-5-15	Blue Painted Wall Plaster	NE Blue Column in Cafeteria	Ground	Good	No	ND	
WHS-DWJC-G-6-16	White Painted Drywall and Joint Compound	SW Corner Ceiling in Cafeteria	Ground	Good	No	ND	300 SF
WHS-DWJC-G-6-17	White Painted Drywall and Joint Compound	NW Corner Ceiling in Cafeteria	Ground	Good	No	ND	
WHS-DWJC-G-6-18	White Painted Drywall and Joint Compound	NE Corner Ceiling in Cafeteria	Ground	Good	No	ND	
WHS-FTM-G-7-19	Brown with Brown Streaks 12x12 Floor Tile and Mastic	NW Corner of Staff Dining Room	Ground	Good	No	ND	900 SF
WHS-FTM-G-7-20	Brown with Brown Streaks 12x12 Floor Tile and Mastic	SW Corner of Staff Dining Room	Ground	Good	No	ND	

ND = Non Detect

SF = Square Feet

LF = Linear Feet

**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-FTM-7-21	Brown with Brown Streaks 12x12 Floor Tile and Mastic	NE Corner of Staff Dining Room	Ground	Good	No	ND	See #19 and #20 Above
WHS-CBM-G-8-22	3" Brown Cove Base and Mastic	Middle of North Wall in the Staff Dining Room	Ground	Good	No	ND	120 LF
WHS-CBM-G-8-23	3" Brown Cove Base and Mastic	Middle of South Wall in the Staff Dining Room	Ground	Good	No	ND	
WHS-CBM-G-8-24	3" Brown Cove Base and Mastic	Middle of East Wall in the Staff Dining Room	Ground	Good	No	ND	
WHS-WP-G-9-25	Yellow Wall Plaster	NW Corner of the Staff Dining Room	Ground	Good	No	ND	3,200 SF
WHS-WP-G-9-26	Yellow Wall Plaster	SW Corner of the Staff Dining Room	Ground	Good	No	ND	
WHS-WP-G-9-27	Yellow Wall Plaster	SE Corner of the Staff Dining Room	Ground	Good	No	ND	
WHS-C-G-10-28	White Painted Caulking	NW Window, West Wall of Staff Dining Room	Ground	Good	No	ND	1,200 SF
WHS-C-G-10-29	White Painted Caulking	Middle Window, West Wall of the Staff Dining Room	Ground	Good	No	ND	
WHS-C-G-10-30	White Painted Caulking	SW Window, West Wall of Staff Dining Room	Ground	Good	No	ND	
WHS-C-G-11-31	Black Caulking	NW Window, East Wall of Staff Dining Room	Ground	Good	No	ND	100 LF
WHS-C-G-11-32	Black Caulking	Middle Window, East Wall of the Staff Dining Room	Ground	Good	No	ND	
WHS-C-G-11-33	Black Caulking	SW Window, East Wall of Staff Dining Room	Ground	Good	No	ND	
WHS-WP-G-12-34	White Wall Plaster with Drywall	NW Corner by Stairs into Cafeteria	Ground	Good	No	ND	200 SF
WHS-WP-G-12-35	White Wall Plaster with Drywall	Middle of West Wall Hallway from Stairs into Cafeteria	Ground	Good	No	ND	
WHS-WP-G-12-36	White Wall Plaster with Drywall	Middle of South Wall Hallway from Stairs into Cafeteria	Ground	Good	No	ND	
WHS-TSI-G-13-37	CP-11 on Fiberglass Insulation	Mech. Room #1, Unit 4 Piping	Ground	Good	No	ND	80 LF
WHS-TSI-G-13-38	CP-11 on Fiberglass Insulation	Mech. Room #1, AHU#3	Ground	Good	No	ND	
WHS-TSI-G-13-39	CP-11 on Fiberglass Insulation	Mech. Room #1, Hot Water Return Piping	Ground	Good	No	ND	
WHS-CP-G-14-40	Pink Painted Ceiling Plaster on Drywall	SW Stair Outside Mech. Room#1, Stair Ceiling, NW	Ground	Good	No	ND	See #41 and #42 Below

ND = Non Detect

SF = Square Feet

LF = Linear Feet



**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-CP-G-14-41	Pink Painted Ceiling Plaster on Drywall	SW Stair Outside Mech. Room#1, Stair Ceiling, Middle	Ground	Good	No	ND	2,000 SF
WHS-CP-G-14-42	Pink Painted Ceiling Plaster on Drywall	SW Stair Outside Mech. Room#1, Stair Ceiling, NE	Ground	Good	No	ND	
WHS-C-G-15-43	Grey Caulking	Left Door Frame of Room B	Ground	Good	No	ND	100 LF
WHS-C-G-15-44	Grey Caulking	Right Door Frame of Room B	Ground	Good	No	ND	
WHS-C-G-15-45	Grey Caulking	Left Door Frame of Room A	Ground	Good	No	ND	
WHS-CT-G-16-46	White 2x4 Long Fissures and Pin Holes Ceiling Tile	Room G01, NW Corner Ceiling	Ground	Good	Yes	ND	900 SF
WHS-CT-G-16-47	White 2x4 Long Fissures and Pin Holes Ceiling Tile	Room G01, Middle Ceiling, along North Wall	Ground	Good	Yes	ND	
WHS-CT-G-16-48	White 2x4 Long Fissures and Pin Holes Ceiling Tile	Room G01, NE Corner Ceiling	Ground	Good	Yes	ND	
WHS-WT-G-17-49	White Painted Wall Texture	Room G01, West Wall, NW Corner	Ground	Good	No	ND	1,200 SF
WHS-WT-G-17-50	White Painted Wall Texture	Room G02, Eastern most Wall, SE Corner	Ground	Good	No	ND	
WHS-WT-G-17-51	White Painted Wall Texture	Room G02, Eastern most Wall, NE Corner	Ground	Good	No	ND	
WHS-WT-G-18-52	Yellow Painted Wall Texture	Room G02, Southern Half of East Wall	Ground	Good	No	ND	700 SF
WHS-WT-G-18-53	Yellow Painted Wall Texture	Room G02, Southern Half of East Wall	Ground	Good	No	ND	
WHS-WT-G-18-54	Yellow Painted Wall Texture	Room G02, Southern Half of East Wall	Ground	Good	No	ND	
WHS-DWJC-G-19-55	White Painted Drywall and Joint Compound with Wall Texture	Room G02, Northern Half of West Partian Wall	Ground	Good	No	ND	1,400 SF
WHS-DWJC-G-19-56	White Painted Drywall and Joint Compound with Wall Texture	Room G02, Northern Half of West Partian Wall	Ground	Good	No	ND	
WHS-DWJC-G-19-57	White Painted Drywall and Joint Compound with Wall Texture	Room G02, Northern Half of West Partian Wall	Ground	Good	No	ND	
WHS-DWJC-G-20-58	Yellow Painted Drywall and Joint Compound with Wall Texture	Room G02, Southern Half of West Partian Wall	Ground	Good	No	ND	1,400 SF
WHS-DWJC-G-20-59	Yellow Painted Drywall and Joint Compound with Wall Texture	Room G02, Southern Half of West Partian Wall	Ground	Good	No	ND	
WHS-DWJC-G-20-60	Yellow Painted Drywall and Joint Compound with Wall Texture	Room G02, Southern Half of West Partian Wall	Ground	Good	No	ND	

ND = Non Detect

SF = Square Feet

LF = Linear Feet

**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-FTM-G-21-61	White 9x9 Floor Tile with Black Mastic	Room G02, SE Office	Ground	Good	No	Floor Tile = 20% Chrysotile Mastic = 22% Chrysotile	113 SF
WHS-FTM-G-21-62	White 9x9 Floor Tile with Black Mastic	Room G02, SE Office	Ground	Good	No	Floor Tile = 20% Chrysotile Mastic = 22% Chrysotile	
WHS-FTM-G-21-63	White 9x9 Floor Tile with Black Mastic	Room G02, SE Office	Ground	Good	No	Floor Tile = 20% Chrysotile Mastic = 22% Chrysotile	
WHS-FTM-G-22-64	Light Purple with Brown Streaks 12x12 Floor Tile and Mastic	Entrance to Room G30	Ground	Good	No	ND	5,000 SF
WHS-FTM-G-22-65	Light Purple with Brown Streaks 12x12 Floor Tile and Mastic	Entrance to Room G31	Ground	Good	No	ND	
WHS-FTM-G-22-66	Light Purple with Brown Streaks 12x12 Floor Tile and Mastic	Entrance to Room G09	Ground	Good	No	ND	
WHS-CT-G-23-67	White 2x4 Pin Hole Ceiling Tile	Hall Ceiling Outside Room G30	Ground	Good	Yes	ND	37,350 SF
WHS-CT-G-23-68	White 2x4 Pin Hole Ceiling Tile	Hall Ceiling Outside Room G04	Ground	Good	Yes	ND	
WHS-CT-G-23-69	White 2x4 Pin Hole Ceiling Tile	Hall Ceiling Outside Room G31	Ground	Good	Yes	ND	
WHS-CBM-G-24-70	Black 3" Cove Base and Mastic	Room G31, East Wall	Ground	Good	No	ND	1,000 LF
WHS-CBM-G-24-71	Black 3" Cove Base and Mastic	Room G31, North Wall	Ground	Good	No	ND	
WHS-CBM-G-24-72	Black 3" Cove Base and Mastic	Room G31, West Wall	Ground	Good	No	ND	
WHS-WP-G-25-73	White Sandy Texture wall Plaster with Drywall	Room G30, East Wall	Ground	Good	No	ND	3,500 SF
WHS-WP-G-25-74	White Sandy Texture wall Plaster with Drywall	Room G31, East Wall	Ground	Good	No	ND	
WHS-WP-G-25-75	White Sandy Texture wall Plaster with Drywall	Room G32, East Wall	Ground	Good	No	ND	
WHS-WP-G-26-76	Tan Wall Plaster	Room G30, East Wall	Ground	Good	No	ND	75,600 SF
WHS-WP-G-26-77	Tan Wall Plaster	Room G31, East Wall	Ground	Good	No	ND	
WHS-WP-G-26-78	Tan Wall Plaster	Room G32, East Wall	Ground	Good	No	ND	
WHS-CP-G-27-79	Tan Ceiling Plaster	Room G30, East Ceiling	Ground	Good	No	ND	23,000 SF
WHS-CP-27-80	Tan Ceiling Plaster	Room G31, East Ceiling	Ground	Good	No	ND	

ND = Non Detect

SF = Square Feet

LF = Linear Feet

**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-CP-27-81	Tan Ceiling Plaster	Room G31, East Ceiling	Ground	Good	No	ND	See # 79 and #80
WHS-DWJC-G-28-82	White Painted Drywall with Joint Compound	Hall Ceiling Outside Room G05	Ground	Good	No	ND	6,000 SF
WHS-DWJC-G-28-83	White Painted Drywall with Joint Compound	Hall Ceiling Outside Room G06	Ground	Good	No	ND	
WHS-DWJC-G-28-84	White Painted Drywall with Joint Compound	Hall Ceiling Outside Custodian Closet	Ground	Good	No	ND	
WHS-DWJC-G-29-85	Fire Rated Green Drywall	Hall Ceiling Outside Room G05	Ground	Good	No	ND	6,000 SF
WHS-DWJC-G-29-86	Fire Rated Green Drywall	Hall Ceiling Outside Room G06	Ground	Good	No	ND	
WHS-DWJC-G-29-87	Fire Rated Green Drywall	Hall Ceiling Outside Custodian Closet	Ground	Good	No	ND	
WHS-G-G-30-88	Brown Glue Pucks	Room G08, West Wall	Ground	Good	No	ND	50 SF
WHS-G-G-30-89	Brown Glue Pucks	Room G08, West Wall	Ground	Good	No	ND	
WHS-G-G-30-90	Brown Glue Pucks	Room G08, South Wall	Ground	Good	No	ND	
WHS-DW-G-31-91	Vinyl Covered Drywall-Wall Paneling	Room G08, East Wall	Ground	Good	No	ND	800 SF
WHS-DW-G-31-92	Vinyl Covered Drywall-Wall Paneling	Room G08, South Wall	Ground	Good	No	ND	
WHS-DW-G-31-93	Vinyl Covered Drywall-Wall Paneling	Room G08, West Wall	Ground	Good	No	ND	
WHS-LC-G-32-94	Leveling Compound	Room G08, Under Carpet	Ground	Poor	Yes	ND	900 SF
WHS-LC-G-32-95	Leveling Compound	Room G08, Under Carpet	Ground	Poor	Yes	ND	
WHS-LC-G-32-96	Leveling Compound	Room G08, Under Carpet	Ground	Poor	Yes	ND	
WHS-G-G-33-97	Brown Glue	Room G10 on Duct Work	Ground	Good	No	ND	1,000 LF
WHS-G-G-33-98	Brown Glue	Room G10 on Duct Work	Ground	Good	No	ND	
WHS-G-G-33-99	Brown Glue	Room G10 on Duct Work	Ground	Good	No	ND	
WHS-FTM-G-34-100	Light Grey with Grey Streaks 12x12 Floor Tile and Mastic	Room G13, NW Entrance	Ground	Good	No	ND	See #101 and #102

ND = Non Detect

SF = Square Feet

LF = Linear Feet

**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-FTM-G-34-101	Light Grey with Grey Streaks 12x12 Floor Tile and Mastic	Room G13, SW Corner	Ground	Good	No	ND	600 SF
WHS-FTM-G-34-102	Light Grey with Grey Streaks 12x12 Floor Tile and Mastic	Room G13, NE Corner	Ground	Good	No	ND	
WHS-CBM-G-35-103	Grey Cove Base and Mastic	Room G13, NW Corner	Ground	Good	No	ND	100 LF
WHS-CBM-G-35-104	Grey Cove Base and Mastic	Room G13, NW Corner	Ground	Good	No	ND	
WHS-CBM-G-35-105	Grey Cove Base and Mastic	Room G13, NE Corner	Ground	Good	No	ND	
WHS-FTM-G-36-106	Brown with Red Streaks 9x9 Floor Tile and Mastic	Room G19, NE Uniform Closet	Ground	Good	No	Floor Tile = 10% Chrysotile Mastic = 22% Chrysotile	90 SF
WHS-FTM-G-36-107	Brown with Red Streaks 9x9 Floor Tile and Mastic	Room G19, East Uniform Closet	Ground	Good	No	Floor Tile = 10% Chrysotile Mastic = 22% Chrysotile	
WHS-FTM-G-36-108	Brown with Red Streaks 9x9 Floor Tile and Mastic	Room G19, SE Uniform Closet	Ground	Good	No	Floor Tile = 10% Chrysotile Mastic = 22% Chrysotile	
WHS-CT-G-37-109	White Pencil Hole with Brown Glue Dots, Ceiling Tile	Room G19, NW Ceiling	Ground	Good	Yes	ND	500 SF
WHS-CT-G-37-110	White Pencil Hole with Brown Glue Dots, Ceiling Tile	Room G19, NE Ceiling	Ground	Good	Yes	ND	
WHS-CT-G-37-111	White Pencil Hole with Brown Glue Dots, Ceiling Tile	Room G19, SE Ceiling	Ground	Good	Yes	ND	
WHS-FTM-G-38-112	White with Tan Streaks 12x12 Floor Tile and Mastic	Room G21, Middle of Room on Floor	Ground	Good	No	Floor Tile = ND Mastic = 5% Chrysotile	450 SF
WHS-FTM-G-38-113	White with Tan Streaks Floor Tile and Mastic	Room G21, Middle of Room on Floor	Ground	Good	No	Floor Tile = ND Mastic = 5% Chrysotile	
WHS-FTM-G-38-114	White with Tan Streaks Floor Tile and Mastic	Room G21, Middle of Room on Floor	Ground	Good	No	Floor Tile = ND Mastic = 5% Chrysotile	
WHS-FTM-G-39-115	Tan with White, Red, and Black Streaks 12x12 FTand Mastic	Room G21, Middle to South Floor	Ground	Good	No	Floor Tile = 2% Chrysotile Mastic = 22% Chrysotile	450 SF
WHS-FTM-G-39-116	Tan with White, Red, and Black Streaks 12x12 FTand Mastic	Room G21, Middle to South Floor	Ground	Good	No	Floor Tile = 2% Chrysotile Mastic = 22% Chrysotile	
WHS-FTM-G-39-117	Tan with White, Red, and Black Streaks 12x12 FTand Mastic	Room G21, Middle to South Floor	Ground	Good	No	Floor Tile = 2% Chrysotile Mastic = 22% Chrysotile	
WHS-WP-1-40-118	Green Wall Plaster	Room 105, West Wall	1st	Good	No	ND	1,950 SF
WHS-WP-1-40-119	Green Wall Plaster	Room 105, East Wall	1st	Good	No	ND	
WHS-WP-1-40-120	Green Wall Plaster	Room 105, South Wall	1st	Good	No	ND	

ND = Non Detect

SF = Square Feet

LF = Linear Feet

**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-CBM-1-41-121	Grey Cove Base and Mastic	Room 105, North Wall	1st	Good	No	ND	130 LF
WHS-CBM-1-41-122	Grey Cove Base and Mastic	Room 105, West Wall	1st	Good	No	ND	
WHS-CBM-1-41-123	Grey Cove Base and Mastic	Room 105, South Wall	1st	Good	No	ND	
WHS-WP-1-42-124	Pink Painted Wall Plaster	Room 104, East Wall	1st	Good	No	ND	5,000 SF
WHS-WP-1-42-125	Pink Painted Wall Plaster	Room 104, South Wall	1st	Good	No	ND	
WHS-WP-1-42-126	Pink Painted Wall Plaster	Room 104, West Wall	1st	Good	No	ND	
WHS-FTM-1-43-127	Tan and Brown 12x12 Floor Tile and Mastic	Room 111, Entrance	1st	Good	No	ND	100 SF
WHS-FTM-1-43-128	Tan and Brown 12x12 Floor Tile and Mastic	Room 111, Entrance	1st	Good	No	ND	
WHS-FTM-1-43-129	Tan and Brown 12x12 Floor Tile and Mastic	Room 111, Entrance	1st	Good	No	ND	
WHS-FTM-1-44-130	White with Grey Streaks 12x12 Floor Tile and Mastic	Room 111, Bathroom Floor	1st	Good	No	ND	150 SF
WHS-FTM-1-44-131	White with Grey Streaks 12x12 Floor Tile and Mastic	Room 111, Bathroom Floor	1st	Good	No	ND	
WHS-FTM-1-44-132	White with Grey Streaks 12x12 Floor Tile and Mastic	Room 111, Bathroom Floor	1st	Good	No	ND	
WHS-FTM-1-45-133	Light Purple with Grey Specks 12x12 Floor Tile and Mastic	Room 111, Hall	1st	Good	No	ND	100 SF
WHS-FTM-1-45-134	Light Purple with Grey Specks 12x12 Floor Tile and Mastic	Room 111, Hall	1st	Good	No	ND	
WHS-FTM-1-45-135	Light Purple with Grey Specks 12x12 Floor Tile and Mastic	Room 111, Hall	1st	Good	No	ND	
WHS-FTM-3-46-136	Light Blue with Grey Specks 12x12 Floor tile and Mastic	Room 323, NW Corner	3rd	Good	No	ND	900 SF
WHS-FTM-3-46-137	Light Blue with Grey Specks 12x12 Floor tile and Mastic	Room 323, SW Corner	3rd	Good	No	ND	
WHS-FTM-3-46-138	Light Blue with Grey Specks 12x12 Floor tile and Mastic	Room 323, SE Corner	3rd	Good	No	ND	
WHS-FTM-3-47-139	White with White Swirls 12x12 Floor tile and Mastic	Room 318, NW Corner	3rd	Good	No	ND	3,250 SF
WHS-FTM-3-47-140	White with White Swirls 12x12 Floor tile and Mastic	Room 317, NW Corner	3rd	Good	No	ND	

ND = Non Detect

SF = Square Feet

LF = Linear Feet

**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-FTM-3-47-141	White with Grey Swirls 12x12 Floor Tile and Mastic	Room 317, NE Corner	3rd	Good	No	ND	See #139 and #140
WHS-FTM-3-48-142	Tan with Brown Specks 12x12 Floor Tile and Mastic	Room 315, NW Corner	3rd	Good	No	ND	900 SF
WHS-FTM-3-48-143	Tan with Brown Specks 12x12 Floor Tile and Mastic	Room 315, NE Corner	3rd	Good	No	ND	
WHS-FTM-3-48-144	Tan with Brown Specks 12x12 Floor Tile and Mastic	Room 315, SE Corner	3rd	Good	No	ND	
WHS-G-3-49-145	Black Glue	Room 313, Under Raised Floor, NW Corner	3rd	Good	No	ND	400 SF
WHS-G-3-49-146	Black Glue	Room 313, Under Raised Floor, NE Corner	3rd	Good	No	ND	
WHS-G-3-49-147	Black Glue	Room 313, Under Raised Floor, SE Corner	3rd	Good	No	ND	
WHS-FD-3-50-148	Fire Door	Room 301, NE Corner Door	3rd	Good	No	ND	18,000 SF
WHS-FD-3-50-149	Fire Door	Room 301, NE Corner Door	3rd	Good	No	ND	
WHS-FD-3-50-150	Fire Door	Room 301, NE Corner Door	3rd	Good	No	ND	
WHS-FP-G-51-151	White Fire Proofing	Boiler Room Vertical I-Beam	Ground	Good	Yes	ND	1,000 SF
WHS-FP-G-51-152	White Fire Proofing	Boiler Room Vertical I-Beam	Ground	Good	Yes	ND	
WHS-FP-G-51-153	White Fire Proofing	Boiler Room Vertical I-Beam	Ground	Good	Yes	ND	
WHS-FTM-G-52-154	Grey Painted 12x12 Floor Tile and Mastic	SE Stairwell, Stars and Landing	Ground	Good	No	Floor Tile = 20% Chrysotile Mastic = 22% Chrysotile	100 SF
WHS-FTM-G-52-155	Grey Painted 12x12 Floor Tile and Mastic	SE Stairwell, Stars and Landing	Ground	Good	No	Floor Tile = 20% Chrysotile Mastic = 22% Chrysotile	
WHS-FTM-G-52-156	Grey Painted 12x12 Floor Tile and Mastic	SE Stairwell, Stars and Landing	Ground	Good	No	Floor Tile = 20% Chrysotile Mastic = 22% Chrysotile	
WHS-STM-1-53-157	Red Stair Tread and Mastic	North Main Entry Stairs	1st	Good	No	ND	200 SF
WHS-STM-1-53-158	Red Stair Tread and Mastic	North Main Entry Stairs	1st	Good	No	ND	
WHS-STM-1-53-159	Red Stair Tread and Mastic	North Main Entry Stairs	1st	Good	No	ND	
WHS-C-E-54-160	Grey Sidewalk Caulking	Southeast Sidewalk by Entry	Exterior	Good	No	ND	See #161 and #162

ND = Non Detect

SF = Square Feet

LF = Linear Feet

**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-C-E-54-161	Grey Sidewalk Caulking	East Sidewalk	Exterior	Good	No	ND	300 LF
WHS-C-E-54-162	Grey Sidewalk Caulking	Northeast Sidewalk	Exterior	Good	No	ND	
WHS-C-E-55-163	Blue Painted Grey Door Caulking	East Exit Door	Exterior	Good	No	ND	100 LF
WHS-C-E-55-164	Blue Painted Grey Door Caulking	North Exit Door	Exterior	Good	No	ND	
WHS-C-E-55-165	Blue Painted Grey Door Caulking	West Exit Door	Exterior	Good	No	ND	
WHS-C-E-56-166	Grey Window Caulking	East Exterior Windows	Exterior	Good	No	ND	1,000 LF
WHS-C-E-56-167	Grey Window Caulking	East Exterior Windows	Exterior	Good	No	ND	
WHS-C-E-56-168	Grey Window Caulking	East Exterior Windows	Exterior	Good	No	ND	
WHS-SL-G-57-169	White Sheet Linoleum	Room G06 Floor	Ground	Good	No	ND	1,350 SF
WHS-SL-G-57-170	White Sheet Linoleum	Room G06 Floor	Ground	Good	No	ND	
WHS-SL-G-57-171	White Sheet Linoleum	Room G06 Floor	Ground	Good	No	ND	
WHS-FTM-G-58-172	Dark Grey 12x12 Floor Tile and Mastic	Hallway Outside Room G08	Ground	Good	No	ND	1,500 SF
WHS-FTM-G-58-173	Dark Grey 12x12 Floor Tile and Mastic	Hallway Outside Room G09	Ground	Good	No	ND	
WHS-FTM-G-58-174	Dark Grey 12x12 Floor Tile and Mastic	Hallway Outside Room G12	Ground	Good	No	ND	
WHS-CBM-1-59-175	Red Cove Base and Mastic	North Main Entry Stairs	1st	Good	No	ND	180 LF
WHS-CBM-1-59-176	Red Cove Base and Mastic	North Main Entry Stairs	1st	Good	No	ND	
WHS-CBM-1-59-177	Red Cove Base and Mastic	North Main Entry Stairs	1st	Good	No	ND	
WHS-FC-1-60-178	Tan Fire Curtain	Stage Right Curtain	1st	Good	No	ND	600 SF
WHS-FC-1-60-179	Tan Fire Curtain	Stage Right Curtain	1st	Good	No	ND	
WHS-FC-1-60-180	Tan Fire Curtain	Stage Right Curtain	1st	Good	No	ND	

ND = Non Detect

SF = Square Feet

LF = Linear Feet

**Table 1 Continued: Summary of Asbestos Samples and Results**

Sample Number	Material Description	Location(s)	Floor	Condition	Friable	Sample Analysis	Quantity
WHS-FC-1-61-181	Off White Fire Curtain	Stage Right Curtain	1st	Good	No	ND	600 SF
WHS-FC-1-61-182	Off White Fire Curtain	Stage Right Curtain	1st	Good	No	ND	
WHS-FC-1-61-183	Off White Fire Curtain	Stage Right Curtain	1st	Good	No	ND	
WHS-FC-1-62-184	Black Fire Curtain	Stage Right Curtain	1st	Good	No	ND	600 SF
WHS-FC-1-62-185	Black Fire Curtain	Stage Right Curtain	1st	Good	No	ND	
WHS-FC-1-62-186	Black Fire Curtain	Stage Right Curtain	1st	Good	No	ND	

ND = Non Detect

SF = Square Feet

LF = Linear Feet



## **APPENDIX C**

### **HOMOGENEOUS AREAS TABLE**

**Homogeneous Areas Table**  
**Westport High School**

#	Description	Locations
1	Grey with Blue Specks 12x12 Floor Tile and Mastic	Cafeteria
2	Grey 3" Cove Base and Mastic	Cafeteria
3	White 2x4 Pencil Hole Ceiling Tile	Cafeteria
4	White 2x4 Fissures with Pin Holes Ceiling Tile	Cafeteria
5	Blue Plaster	Cafeteria
6	White Drywall with Joint Compound	Throughout Building
7	Brown with Brown Streaks 12x12 Floor Tile and Mastic	Staff Dining Room
8	Brown 3" Cove Base and Mastic	Staff Dining Room
9	Yellow Wall Plaster	Staff Dining Room
10	White Painted Caulking	Staff Dining Room
11	Black Caulking	Staff Dining Room
12	White Wall Plaster with Drywall	Throughout Building
13	CP-11 Mud	Throughout Building
14	Pink Painted Ceiling Plaster with Drywall	Throughout Building
15	Grey Caulking	Throughout Building
16	White 2x4 Long Fissures and Pin Hole Ceiling Tile	Throughout Building
17	White Painted Wall Texture	Staff Dining Room
18	Yellow Painted Wall Texture	Staff Dining Room
19	White Painted Drywall and Joint Compound with Wall Texture	Staff Dining Room
20	Yellow Painted Drywall and Joint Compound with Wall Texture	Staff Dining Room
21	White 9x9 Floor Tile and Mastic	Ground Level
22	Light Purple with Brown Streaks 12x12 Floor Tile and Mastic	Ground Level
23	White 2x4 with Pin Hole Ceiling Tile	Ground Level
24	Black 3" Cove Base and Mastic	Ground Level
25	White Sandy Texture Wall Plaster with Drywall	Ground Level
26	Tan Wall Plaster	Throughout Building
27	Tan Ceiling Plaster	Throughout Building
28	White Painted Drywall and Joint Compound	Throughout Building
29	Green Fire Rated Drywall	Throughout Building
30	Brown Glue Pucks	Room G08
31	Vinyl Covered Drywall, Wall Paneling	Room G08
32	White Leveling Compound	Room G08
33	Brown Glue	Ground Level Duct Work
34	Light Grey with Grey Streaks Floor Tile and Mastic	Ground Level
35	Grey Cove Base and Mastic	Ground Level
36	Brown with Red and White Streaks 9x9 Floor Tile and Mastic	Room G19
37	White 12x12 Pencil Hole with Glue Dots Ceiling Tile	Room G19
38	White and Tan Streaked 12x12 Floor Tile and Mastic	Room G21
39	Tan with Red, White and Black Streaks 9x9 Floor Tile and Mastic	Room G21
40	Green Wall Plaster	Throughout Building
41	Grey Cove Base and Mastic	Throughout Building
42	Pink Painted Wall Plaster	Throughout Building
43	Tan and Brown 12x12 Floor Tile and Mastic	1st Floor
44	White with Grey Streaks 12x12 Floor Tile and Mastic	1st Floor
45	Light Purple with Brown Streaks 12x12 Floor Tile and Mastic	1st Floor
46	Light Blue with Grey Specks 12x12 Floor Tile and Mastic	3rd Floor
47	White with Swirls 12x12 Floor Tile and Mastic	3rd Floor
48	Tan with Brown Specks 12x12 Floor Tile and Mastic	3rd Floor
49	Black Glue	Room 313, Under Raised Floor
50	Fire Door	Throughout Building
51	White Fire Proofing	Boiler Room
52	Grey Painted 12x12 Floor Tile and Mastic	SE Stairwell in 1908 Building
53	Red Stair Tread and Mastic	N. Main Entry Stairs
54	Grey Sidewalk Caulking	Sidewalks
55	Blue Painted Grey Door Caulking	Exterior Exit Door Frames
56	Grey Window Caulking	Exterior Windows
57	White Sheet Linoleum	Room G06
58	Dark Grey 12x12 Floor Tile and Mastic	Ground Level, North Main Hallway
59	Red Cove Base and Mastic	N. Main Entry Stairs
60	Tan Fire Curtain	Stage
61	Off-White/ Tan Fire Curtain	Stage
62	Black Fire Curtain	Stage

Highlighted Areas are Positive for Asbestos

**APPENDIX D**  
**PLM ANALYTICAL DATA**



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March 7, 2011

Family Environmental Compliance Services  
600 East 8<sup>th</sup> St. Ste B  
Kansas City, MO 64106

Re: FECSI / Westport High School; Kansa City, MO PLM - 11-0168

To Whom It May Concern,

Attached are the results of Polarized Light Microscopic analysis (PLM) for asbestos contained in the bulk sample materials submitted to this facility on 2/22/11.

Bulk samples are analyzed in accordance with USEPA test method EPA/600/R-93/116, which requires that distinctly different materials or layers present within a sample be analyzed and reported separately. (For measurement uncertainty, refer to table-2.1 in EPA/600/R-93/116 method.) Sometimes it is not possible to completely separate thin or strongly adhering layers, such as paint or adhesive, and a combined result is given. For some complex materials, such as drywall/tape/mud joints, a composite or overall asbestos content may be reported in addition to individual layer results. RNET, Inc. is currently accredited for bulk asbestos analysis by the National Voluntary Laboratory Accreditation Program (NVLAP) of the National Institute of Standards and Technology (NIST). Our NVLAP laboratory code number is 200448-0.

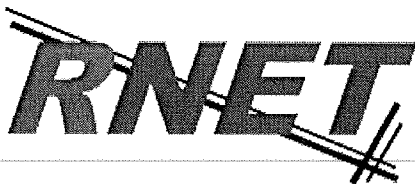
The analytical results provided in this report apply only to the samples actually submitted. This report is considered confidential. Details of this report will not be discussed with any person or agency not associated with you or your organization. This report must be reproduced in its entirety and shall not be copied in part or used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. If you have any questions regarding the content of this report or would like to make any suggestions, which may improve our services to our clients, please submit them in writing, via facsimile, or call us. If RNET, Inc. may be of further assistance in other health and safety areas of concern, please let us know.

Kathleen Tullio  
ANALYST  
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Kathleen Tullio  
SENIOR ANALYST  
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NVLAP Lab Code 200448-0

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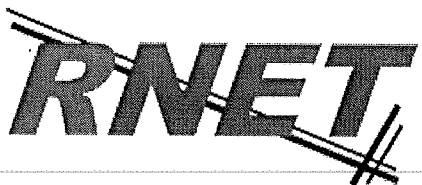
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis  
NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO

**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-01 WHS-FTM-G-1-1	Floor Tile, Grey, Non-homogeneous	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-02 WHS-FTM-G-1-2	Floor Tile, Grey, Non-homogeneous	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-03 WHS-FTM-G-1-3	Floor Tile, Grey, Non-homogeneous	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-04 WHS-CBM-G-2-4	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 95%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 5%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-05 WHS-CBM-G-2-5	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 95%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 5%	None Detected		Cellulose Fiber	Trace
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Non-Fibrous Material	100%
					Total % Non-Asbestos: 100.0%	
LGN 110168-06 WHS-CBM-G-2-6	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 10%	None Detected		Cellulose Fiber	Trace
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Non-Fibrous Material	100%
					Total % Non-Asbestos: 100.0%	

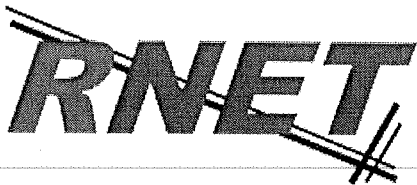
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Fax: 303-292-1451  
info@metesting.com**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-07 WHS-CT-G-3-7	Ceiling Tile, Tan, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	20% 15% 65%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-08 WHS-CT-G-3-8	Ceiling Tile, Tan, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	20% 15% 65%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-09 WHS-CT-G-3-9	Ceiling Tile, Tan, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	20% 15% 65%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-10 WHS-CT-G-4-10	Ceiling Tile, White, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	25% 10% 65%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-11 WHS-CT-G-4-11	Ceiling Tile, White, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	25% 10% 65%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-12 WHS-CT-G-4-12	Ceiling Tile, White, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	25% 10% 65%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		

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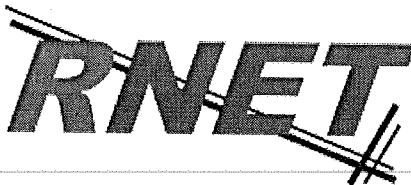
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-13 WHS-WP-G-5-13	Plaster W/ PT, white / Blue, Non-homogeneous  <b>Asbestos Present: No</b>	LAYER 1 100%	None Detected  <b>Total % Asbestos: No Asbestos Detected</b>	Non-Fibrous Material 100%  <b>Total % Non-Asbestos: 100.0%</b>
LGN 110168-14 WHS-WP-G-5-14	Plaster W/ PT, white / Blue, Non-homogeneous  <b>Asbestos Present: No</b>	LAYER 1 100%	None Detected  <b>Total % Asbestos: No Asbestos Detected</b>	Non-Fibrous Material 100%  <b>Total % Non-Asbestos: 100.0%</b>
LGN 110168-15 WHS-WP-G-5-15	Plaster W/ PT, white / Blue, Non-homogeneous  <b>Asbestos Present: No</b>	LAYER 1 100%	None Detected  <b>Total % Asbestos: No Asbestos Detected</b>	Non-Fibrous Material 100%  <b>Total % Non-Asbestos: 100.0%</b>
LGN 110168-16 WHS-DWJC-G-6-16	LAYER 1 TX or JC W/ PT, White, Non-homogeneous  LAYER 2 Tape, White, Homogeneous  LAYER 3 JC or TX, White, Homogeneous  LAYER 4 Drywall, Pink, Non-homogeneous  <b>Asbestos Present: No</b>	LAYER 1 15%  LAYER 2 10%  LAYER 3 15%  LAYER 4 60%	None Detected  None Detected  None Detected  None Detected  <b>Total % Asbestos: No Asbestos Detected</b>	Cellulose Fiber Trace Non-Fibrous Material 100%  Cellulose Fiber 100%  Cellulose Fiber Trace Non-Fibrous Material 100% Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%  <b>Total % Non-Asbestos: 100.0%</b>

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**REPORT OF TEST RESULTS**

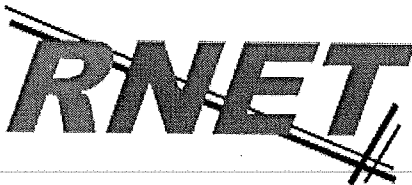
PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-17				
WHS-DWJC-G-6-17	LAYER 1 TX or JC W/ PT, White, Non-homogeneous	LAYER 1 10%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
	LAYER 2 Tape, White, Homogeneous	LAYER 2 10%	None Detected	Cellulose Fiber 100%
	LAYER 3 JC or TX, White, Homogeneous	LAYER 3 15%	None Detected	Cellulose Fiber Non-Fibrous Material 2% 98%
	LAYER 4 Drywall, Pink, Non-homogeneous	LAYER 4 65%	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material 20% Trace% 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-18				
WHS-DWJC-G-6-18	LAYER 1 TX or JC W/ PT, White, Non-homogeneous	LAYER 1 15%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
	LAYER 2 Drywall, Pink, Non-homogeneous	LAYER 2 85%	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material 20% Trace% 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-19				
WHS-FTM-G-7-19	Floor Tile, Lt. Pink, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-20				
WHS-FTM-G-7-20	Floor Tile, Lt. Pink, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-21				
WHS-FTM-G-7-21	Floor Tile, Lt. Pink, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%



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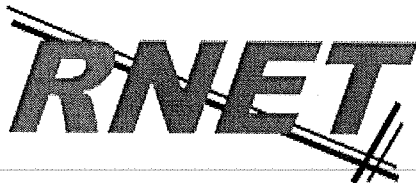
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-22						
WHS-CBM-G-8-22	LAYER 1	LAYER 1	None Detected			
	Cove Base, Brown, Homogeneous	95%			Non-Fibrous Material	100%
	LAYER 2	LAYER 2	None Detected		Cellulose Fiber	Trace
	Glue, White, Homogeneous	5%			Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos		Total % Non-Asbestos: 100.0%	
			Detected			
LGN 110168-23						
WHS-CBM-G-8-23	LAYER 1	LAYER 1	None Detected			
	Cove Base, Brown, Homogeneous	98%			Non-Fibrous Material	100%
	LAYER 2	LAYER 2	None Detected			
	Glue, White, Homogeneous	2%			Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos		Total % Non-Asbestos: 100.0%	
			Detected			
LGN 110168-24						
WHS-CBM-G-8-24	LAYER 1	LAYER 1	None Detected			
	Cove Base, Brown, Homogeneous	98%			Non-Fibrous Material	100%
	LAYER 2	LAYER 2	None Detected		Cellulose Fiber	Trace
	Glue, White, Homogeneous	2%			Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos		Total % Non-Asbestos: 100.0%	
			Detected			
LGN 110168-25						
WHS-WP-G-9-25	LAYER 1	LAYER 1	None Detected		Cellulose Fiber	Trace
	Plaster W/ PT, white / Yellow, Non-homogeneous	15%			Non-Fibrous Material	100%
	LAYER 2	LAYER 2	None Detected		Cellulose Fiber	20%
	Drywall, White, Non-homogeneous	85%			Fibrous Glass	Trace%
					Non-Fibrous Material	80%
	Asbestos Present: No	Total % Asbestos: No	Asbestos		Total % Non-Asbestos: 100.0%	
			Detected			

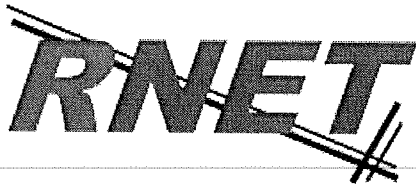
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PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-26 WHS-WP-G-9-26	LAYER 1 Plaster W/ PT, white / Yellow, Non-homogeneous	LAYER 1 20%	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material Trace Trace% 100%
	LAYER 2 Drywall, White, Non-homogeneous	LAYER 2 80%	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material 20% Trace% 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-27 WHS-WP-G-9-27	LAYER 1 Plaster W/ PT, white / Yellow, Non-homogeneous	LAYER 1 20%	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material Trace Trace% 100%
	LAYER 2 Drywall, White, Non-homogeneous	LAYER 2 80%	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material 20% Trace% 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-28 WHS-C-G-10-28	Caulking W/ PT, Brown / White, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-29 WHS-C-G-10-29	Caulking W/ PT, Brown / White, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-30 WHS-C-G-10-30	Caulking W/ PT, Brown / White, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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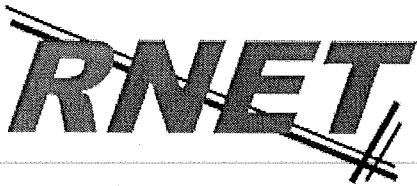
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-31 WHS-C-G-11-31	Caulking, Black / Blue, Non-homogeneous  Asbestos Present: No	LAYER 1 100%	None Detected  Total % Asbestos: No Asbestos Detected	Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-32 WHS-C-G-11-32	Caulking, Black / Blue, Non-homogeneous  Asbestos Present: No	LAYER 1 100%	None Detected  Total % Asbestos: No Asbestos Detected	Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-33 WHS-C-G-11-33	Caulking, Black / Blue, Non-homogeneous  Asbestos Present: No	LAYER 1 100%	None Detected  Total % Asbestos: No Asbestos Detected	Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-34 WHS-WP-G-12-34	LAYER 1 Plaster W/ PT, White, Non-homogeneous  LAYER 2 Drywall, Pink, Non-homogeneous  Asbestos Present: No	LAYER 1 20%  LAYER 2 80%	None Detected  None Detected  Total % Asbestos: No Asbestos Detected	Cellulose Fiber Trace Non-Fibrous Material 100%  Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%  Total % Non-Asbestos: 100.0%
LGN 110168-35 WHS-WP-G-12-35	LAYER 1 Plaster W/ PT, White, Non-homogeneous  LAYER 2 Drywall, Pink, Non-homogeneous  Asbestos Present: No	LAYER 1 20%  LAYER 2 80%	None Detected  None Detected  Total % Asbestos: No Asbestos Detected	Cellulose Fiber Trace Non-Fibrous Material 100%  Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%  Total % Non-Asbestos: 100.0%

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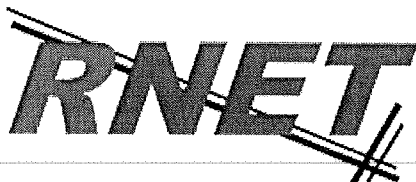
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**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis  
NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO  
**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-36				
WHS-WP-G-12-36	LAYER 1 Plaster W/ PT, White, Non-homogeneous	LAYER 1 20%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, Pink, Non-homogeneous	LAYER 2 80%	None Detected	Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-37				
WHS-TSI-G-13-37	Pookie Insulation, white / Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Fibrous Glass 10% Non-Fibrous Material 90%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-38				
WHS-TSI-G-13-38	Pookie Insulation, white / Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Fibrous Glass 10% Non-Fibrous Material 90%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-39				
WHS-TSI-G-13-39	Pookie Insulation, white / Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Fibrous Glass 10% Non-Fibrous Material 90%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-40				
WHS-CP-G-14-40	Plaster W/ PT, white / Pink, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-41				
WHS-CP-G-14-41	Plaster W/ PT, white / Pink, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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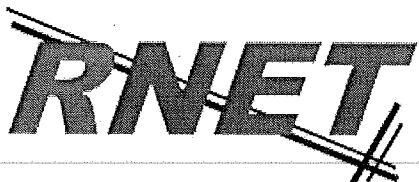
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-42 WHS-CP-G-14-42	Plaster W/ PT, white / Pink, Non-homogeneous  Asbestos Present: No	LAYER 1 100%  Total % Asbestos: No Asbestos Detected	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-43 WHS-C-G-15-43	Caulking, Grey, Homogeneous  Asbestos Present: No	LAYER 1 100%  Total % Asbestos: No Asbestos Detected	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-44 WHS-C-G-15-44	Caulking, Grey, Homogeneous  Asbestos Present: No	LAYER 1 100%  Total % Asbestos: No Asbestos Detected	None Detected	Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-45 WHS-C-G-15-45	Caulking, Grey, Homogeneous  Asbestos Present: No	LAYER 1 100%  Total % Asbestos: No Asbestos Detected	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-46 WHS-CT-G-16-46	Ceiling Tile, Tan, Non-homogeneous  Asbestos Present: No	LAYER 1 100%  Total % Asbestos: No Asbestos Detected	None Detected	Cellulose Fiber 25% Fibrous Glass 10% Non-Fibrous Material 65%  Total % Non-Asbestos: 100.0%
LGN 110168-47 WHS-CT-G-16-47	Ceiling Tile, Tan, Non-homogeneous  Asbestos Present: No	LAYER 1 100%  Total % Asbestos: No Asbestos Detected	None Detected	Cellulose Fiber 25% Fibrous Glass 10% Non-Fibrous Material 65%  Total % Non-Asbestos: 100.0%

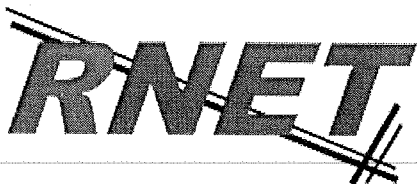
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PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-48 WHS-CT-G-16-48	Ceiling Tile, Tan, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber 25% Fibrous Glass 10% Non-Fibrous Material 65%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-49 WHS-WT-G-17-49	Wall Texture, Tan /Multi, Non-homogeneous	LAYER 1 100%	None Detected	Fibrous Glass 85% Non-Fibrous Material 15%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-50 WHS-WT-G-17-50	Wall Texture, Tan /Multi, Non-homogeneous	LAYER 1 100%	None Detected	Fibrous Glass 85% Non-Fibrous Material 15%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-51 WHS-WT-G-17-51	Wall Texture, Tan /Multi, Non-homogeneous	LAYER 1 100%	None Detected	Fibrous Glass 85% Non-Fibrous Material 15%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-52 WHS-WT-G-18-52	Wall Texture, Green / Multi, Non-homogeneous	LAYER 1 100%	None Detected	Fibrous Glass 80% Non-Fibrous Material 20%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-53 WHS-WT-G-18-53	Wall Texture, Green / Multi, Non-homogeneous	LAYER 1 100%	None Detected	Fibrous Glass 80% Non-Fibrous Material 20%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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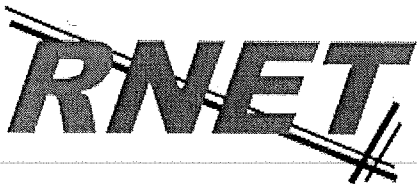
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

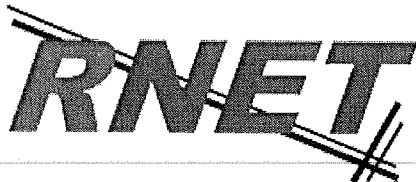
**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-54				
WHS-WT-G-18-54	Wall Texture, Green / Multi, Non-homogeneous	LAYER 1 100%	None Detected	Fibrous Glass 80% Non-Fibrous Material 20%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-55				
WHS-DWJC-G-19-55	LAYER 1 TX W/ PT, White, Non-homogeneous	LAYER 1 10%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, White, Non-homogeneous	LAYER 2 90%	None Detected	Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-56				
WHS-DWJC-G-19-56	LAYER 1 TX W/ PT, White, Non-homogeneous	LAYER 1 15%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, White, Non-homogeneous	LAYER 2 85%	None Detected	Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-57				
WHS-DWJC-G-19-57	LAYER 1 TX W/ PT, White, Non-homogeneous	LAYER 1 10%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, White, Non-homogeneous	LAYER 2 90%	None Detected	Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-58				
WHS-DWJC-G-20-58	LAYER 1 TX W/ PT, white / Yellow, Non-homogeneous	LAYER 1 10%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, White, Non-homogeneous	LAYER 2 90%	None Detected	Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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NVLAP Lab Code 200448-0**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-59						
WHS-DWJC-G-20-59	LAYER 1 TX W/ PT, white / Yellow, Non-homogeneous	LAYER 1 10%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Drywall, White, Non-homogeneous	LAYER 2 90%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	20% Trace% 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-60						
WHS-DWJC-G-20-60	LAYER 1 TX W/ PT, white / Yellow, Non-homogeneous	LAYER 1 10%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Drywall, White, Non-homogeneous	LAYER 2 90%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	20% Trace% 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-61						
WHS-FTM-G-21-61	LAYER 1 Floor Tile, White, Non-homogeneous	LAYER 1 95%	Chrysotile	20%	Non-Fibrous Material	80%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	Chrysotile	22%	Non-Fibrous Material	78%
	Asbestos Present: Yes	Total % Asbestos: 20.1%		Total % Non-Asbestos: 79.9%		
LGN 110168-62						
WHS-FTM-G-21-62	LAYER 1 Floor Tile, White, Non-homogeneous	LAYER 1 95%	Chrysotile	20%	Non-Fibrous Material	80%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	Chrysotile	22%	Non-Fibrous Material	78%
	Asbestos Present: Yes	Total % Asbestos: 20.1%		Total % Non-Asbestos: 79.9%		
LGN 110168-63						
WHS-FTM-G-21-63	LAYER 1 Floor Tile, White, Non-homogeneous	LAYER 1 95%	Chrysotile	20%	Non-Fibrous Material	80%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	Chrysotile	22%	Non-Fibrous Material	78%
	Asbestos Present: Yes	Total % Asbestos: 20.1%		Total % Non-Asbestos: 79.9%		



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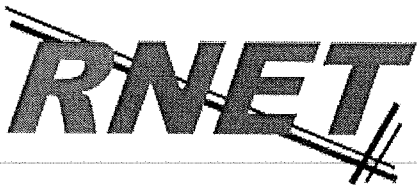
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-64 WHS-FTM-G-22-64	Floor Tile, Lt. Pink, Non-homogeneous  Asbestos Present: No	LAYER 1 100%	None Detected  Total % Asbestos: No Asbestos Detected	Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-65 WHS-FTM-G-22-65	LAYER 1 Floor Tile, Lt. Pink, Non-homogeneous  LAYER 2 Glue, Yellow, Homogeneous  Asbestos Present: No	LAYER 1 90%  LAYER 2 10%  Total % Asbestos: No Asbestos Detected	None Detected  None Detected  Total % Asbestos: No Asbestos Detected	Non-Fibrous Material 100%  Cellulose Fiber Trace Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-66 WHS-FTM-G-22-66	LAYER 1 Floor Tile, Lt. Pink, Non-homogeneous  LAYER 2 Glue, Brown, Homogeneous  Asbestos Present: No	LAYER 1 98%  LAYER 2 2%  Total % Asbestos: No Asbestos Detected	None Detected  None Detected  Total % Asbestos: No Asbestos Detected	Non-Fibrous Material 100%  Cellulose Fiber Trace Non-Fibrous Material 100%  Total % Non-Asbestos: 100.0%
LGN 110168-67 WHS-CT-G-23-67	Ceiling Tile, Tan, Non-homogeneous  Asbestos Present: No	LAYER 1 100%	None Detected  Total % Asbestos: No Asbestos Detected	Cellulose Fiber 20% Fibrous Glass 15% Non-Fibrous Material 65%  Total % Non-Asbestos: 100.0%
LGN 110168-68 WHS-CT-G-23-68	Ceiling Tile, Tan, Non-homogeneous  Asbestos Present: No	LAYER 1 100%	None Detected  Total % Asbestos: No Asbestos Detected	Cellulose Fiber 20% Fibrous Glass 15% Non-Fibrous Material 65%  Total % Non-Asbestos: 100.0%

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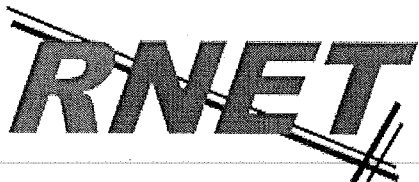
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-69 WHS-CT-G-23-69	Ceiling Tile, Tan, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber 20% Fibrous Glass 15% Non-Fibrous Material 65%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-70 WHS-CBM-G-24-70	LAYER 1 Cove Base, Black, Homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 10%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-71 WHS-CBM-G-24-71	LAYER 1 Cove Base, Black, Homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 10%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-72 WHS-CBM-G-24-72	Cove Base, Black, Homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-73 WHS-WP-G-25-73	LAYER 1 Plaster W/ PT, White, Non-homogeneous	LAYER 1 30%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, Pink, Non-homogeneous	LAYER 2 70%	None Detected	Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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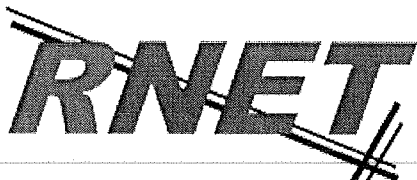
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-74				
WHS-WP-G-25-74	LAYER 1 Plaster W/ PT, White, Non-homogeneous	LAYER 1 30%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, Pink, Non-homogeneous	LAYER 2 70%	None Detected	Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-75				
WHS-WP-G-25-75	LAYER 1 Plaster W/ PT, White, Non-homogeneous	LAYER 1 30%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, Pink, Non-homogeneous	LAYER 2 70%	None Detected	Cellulose Fiber 20% Fibrous Glass Trace% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-76				
WHS-WP-G-26-76	Plaster W/ PT, white / Lt. Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-77				
WHS-WP-G-26-77	Plaster W/ PT, white / Lt. Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-78				
WHS-WP-G-26-78	Plaster W/ PT, white / Lt. Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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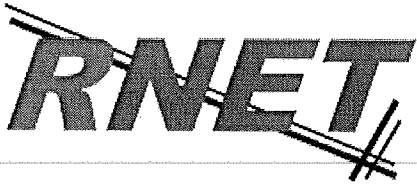
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-79				
WHS-CP-G-27-79	Plaster W/ PT, white / Lt. Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-80				
WHS-CP-G-27-80	Plaster W/ PT, white / Lt. Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-81				
WHS-CP-G-27-81	Plaster W/ PT, white / Lt. Yellow, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-82				
WHS-DWJC-G-28-82	Drywall, Pink, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material 20% 80%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-83				
WHS-DWJC-G-28-83	Drywall W/ PT, Pink /Tan, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material 20% 80%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-84				
WHS-DWJC-G-28-84	LAYER 1 TX W/ PT, White / Tan, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Drywall, Pink, Non-homogeneous	LAYER 2 90%	None Detected	Cellulose Fiber Non-Fibrous Material 20% 80%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected	Total % Non-Asbestos: 100.0%

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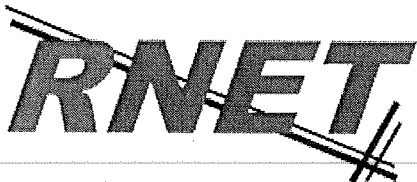
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**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis  
NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO  
**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-85 WHS-DWJC-G-29- Drywall, Pink, Non-homogeneous 85		LAYER 1 100%	None Detected	Cellulose Fiber 20% Non-Fibrous Material 80%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-86 WHS-DWJC-G-29- Drywall, Pink, Non-homogeneous 86		LAYER 1 100%	None Detected	Cellulose Fiber 20% Non-Fibrous Material 80%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-87 WHS-DWJC-G-29- Drywall, Pink, Non-homogeneous 87		LAYER 1 100%	None Detected	Cellulose Fiber 20% Non-Fibrous Material 80%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-88 WHS-G-G-30-88	Glue, Brown, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-89 WHS-G-G-30-89	Glue, Brown, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected	Total % Non-Asbestos: 100.0%
LGN 110168-90 WHS-G-G-30-90	Glue, Brown, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected	Total % Non-Asbestos: 100.0%

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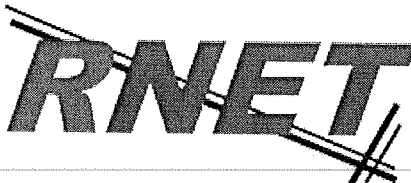
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-91						
WHS-DW-G-31-91	Drywall W/ Textured PT, White, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-92						
WHS-DW-G-31-92	Drywall W/ Textured PT, White, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-93						
WHS-DW-G-31-93	Drywall W/ Textured PT, White, Non-homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-94						
WHS-LC-G-32-94	LAYER 1 Leveling Compound, White, Homogeneous	LAYER 1 95%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, Brown, Homogeneous	LAYER 2 5%	None Detected		Cellulose Fiber Non-Fibrous Material	Trace 100%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-95						
WHS-LC-G-32-95	LAYER 1 Leveling Compound, White, Homogeneous	LAYER 1 95%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, Brown, Homogeneous	LAYER 2 5%	None Detected		Cellulose Fiber Non-Fibrous Material	Trace 100%
	Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%	

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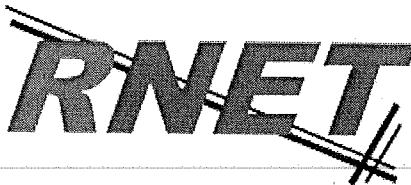
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-96 WHS-LC-G-32-96	LAYER 1 Leveling Compound, White, Homogeneous	LAYER 1 95%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, Brown, Homogeneous	LAYER 2 5%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-97 WHS-G-G-33-97	Glue, Brown, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-98 WHS-G-G-33-98	Glue, Brown, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-99 WHS-G-G-33-99	Glue, Brown, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-00 WHS-FTM-G-34- 100	LAYER 1 Floor Tile, Grey / Multi, Non- homogeneous	LAYER 1 95%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	None Detected	Cellulose Fiber 12% Non-Fibrous Material 88%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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**REPORT OF TEST RESULTS**

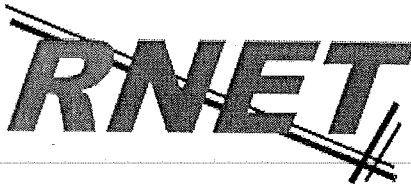
PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-01 WHS-FTM-G-34-101	LAYER 1 Floor Tile, Grey / Multi, Non-homogeneous	LAYER 1 98%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 2%	None Detected	Cellulose Fiber 10% Non-Fibrous Material 90%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-02 WHS-FTM-G-34-102	LAYER 1 Floor Tile, Grey / Multi, Non-homogeneous	LAYER 1 98%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 2%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-03 WHS-CBM-G-35-103	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 97%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 3%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-04 WHS-CBM-G-35-104	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 10%	None Detected	Cellulose Fiber 2% Synthetic Fiber Trace% Non-Fibrous Material 98%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-05 WHS-CBM-G-35-105	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 10%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%



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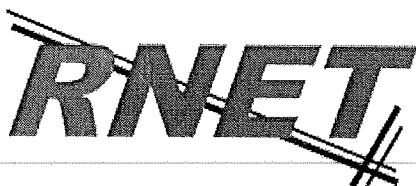
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-06 WHS-FTM-G-36-106	LAYER 1 Floor Tile, Brown, Non-homogeneous	LAYER 1 90%	Chrysotile	10%	Non-Fibrous Material	90%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 10%	Chrysotile	22%	Non-Fibrous Material	78%
	<b>Asbestos Present: Yes</b>	<b>Total % Asbestos: 11.2%</b>			<b>Total % Non-Asbestos: 88.8%</b>	
LGN 110168-07 WHS-FTM-G-36-107	Note: Sample Not Analyzed / Possitive Stop					
	<b>Asbestos Present:</b>	<b>Total % Asbestos: Not Analyzed</b>			<b>Total % Non-Asbestos: Not Analyzed</b>	
LGN 110168-08 WHS-FTM-G-36-108	Note: Sample Not Analyzed / Possitive Stop					
	<b>Asbestos Present:</b>	<b>Total % Asbestos: Not Analyzed</b>			<b>Total % Non-Asbestos: Not Analyzed</b>	
LGN 110168-09 WHS-CT-G-37-109	LAYER 1 Ceiling Tile, Brown, Non-homogeneous	LAYER 1 75%	None Detected		Cellulose Fiber Non-Fibrous Material	95% 5%
	LAYER 2 Glue, Brown, Non-homogeneous	LAYER 2 25%	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
	<b>Asbestos Present: No</b>	<b>Total % Asbestos: No Asbestos Detected</b>			<b>Total % Non-Asbestos: 100.0%</b>	
LGN 110168-10 WHS-CT-G-37-110	LAYER 1 Ceiling Tile, Brown, Non-homogeneous	LAYER 1 50%	None Detected		Cellulose Fiber Non-Fibrous Material	95% 5%
	LAYER 2 Glue, Brown, Non-homogeneous	LAYER 2 50%	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
	<b>Asbestos Present: No</b>	<b>Total % Asbestos: No Asbestos Detected</b>			<b>Total % Non-Asbestos: 100.0%</b>	

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**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-11 WHS-CT-G-37-111	LAYER 1 Ceiling Tile, Brown, Non-homogeneous	LAYER 1 60%	None Detected		Cellulose Fiber Non-Fibrous Material	95% 5%
	LAYER 2 Glue, Brown, Non-homogeneous	LAYER 2 40%	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected			Total % Non-Asbestos: 100.0%	
LGN 110168-12 WHS-FTM-G-38-112	LAYER 1 Floor Tile, Tan / Multi, Non-homogeneous	LAYER 1 95%	None Detected		Cellulose Fiber Non-Fibrous Material	Trace 100%
	LAYER 2 Mastic W/ Glue, Black / Yellow, Non-homogeneous	LAYER 2 5%	Chrysotile	5%	Cellulose Fiber Non-Fibrous Material	Trace 95%
	Asbestos Present: Yes	Total % Asbestos: <1%			Total % Non-Asbestos: 99.8%	
LGN 110168-13 WHS-FTM-G-38-113	Note: Sample Not Analyzed / Possitive Stop					
	Asbestos Present:	Total % Asbestos: Not Analyzed			Total % Non-Asbestos: Not Analyzed	
LGN 110168-14 WHS-FTM-G-38-114	Note: Sample Not Analyzed / Possitive Stop					
	Asbestos Present:	Total % Asbestos: Not Analyzed			Total % Non-Asbestos: Not Analyzed	
LGN 110168-15 WHS-FTM-G-39-115	LAYER 1 Floor Tile, Tan / Red, Non-homogeneous	LAYER 1 95%	Chrysotile	2%	Non-Fibrous Material	98%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	Chrysotile	22%	Non-Fibrous Material	78%
	Asbestos Present: Yes	Total % Asbestos: 3.0%			Total % Non-Asbestos: 97.0%	

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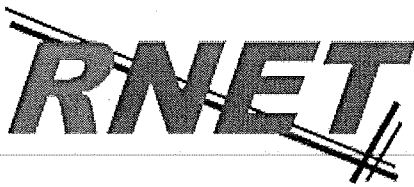
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-16 WHS-FTM-G-39-116	Note: Sample Not Analyzed / Possitive Stop					
	Asbestos Present:		Total % Asbestos:	Not Analyzed	Total % Non-Asbestos:	Not Analyzed
LGN 110168-17 WHS-FTM-G-39-117	Note: Sample Not Analyzed / Possitive Stop					
	Asbestos Present:		Total % Asbestos:	Not Analyzed	Total % Non-Asbestos:	Not Analyzed
LGN 110168-18 WHS-WP-1-40-118	Plaster W/ PT, white / Green, Non-homogeneous	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos:	100.0%
LGN 110168-19 WHS-WP-1-40-119	Plaster W/ PT, white / Green, Non-homogeneous	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos:	100.0%
LGN 110168-20 WHS-WP-1-40-120	Plaster W/ PT, white / Green, Non-homogeneous	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos:	100.0%
LGN 110168-21 WHS-CBM-1-41-121	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, White, Homogeneous	LAYER 2 10%	None Detected		Cellulose Fiber	Trace
	Asbestos Present: No		Total % Asbestos:	No Asbestos Detected	Total % Non-Asbestos:	100.0%

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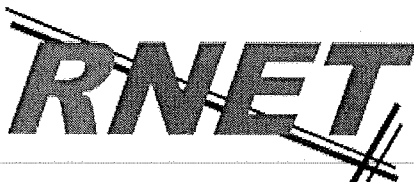
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis  
NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO

**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-22 WHS-CBM-1-41-122	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 97%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue W/ SM, White, Homogeneous	LAYER 2 3%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-23 WHS-CBM-1-41-123	LAYER 1 Cove Base, Grey, Homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue W/ PT, White, Non-homogeneous	LAYER 2 10%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-24 WHS-WP-1-42-124	Plaster W/ PT, White / Tan, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-25 WHS-WP-1-42-125	Plaster W/ PT, White / Tan, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-26 WHS-WP-1-42-126	Plaster W/ PT, White / Tan, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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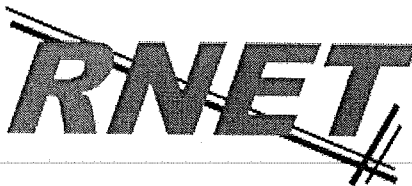
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-27 WHS-FTM-1-43-127	LAYER 1 Floor Tile, Tan, Non-homogeneous	LAYER 1 93%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue W/ Wood, Yellow / Brown, Non-homogeneous	LAYER 2 7%	None Detected	Cellulose Fiber 2% Wood Fiber 10% Non-Fibrous Material 88%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-28 WHS-FTM-1-43-128	LAYER 1 Floor Tile, Tan, Non-homogeneous	LAYER 1 80%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue W/ Wood, Yellow / Brown, Non-homogeneous	LAYER 2 20%	None Detected	Cellulose Fiber Trace Wood Fiber 20% Non-Fibrous Material 80%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-29 WHS-FTM-1-43-129	LAYER 1 Floor Tile, Tan, Non-homogeneous	LAYER 1 95%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, white / Brown, Non-homogeneous	LAYER 2 5%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-30 WHS-FTM-1-44-130	LAYER 1 Floor Tile, Tan, Non-homogeneous	LAYER 1 98%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, Yellow, Homogeneous	LAYER 2 2%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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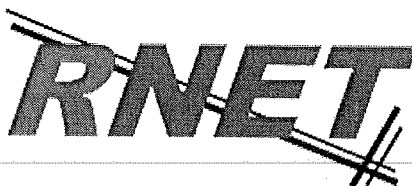
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-31 WHS-FTM-1-44-131	LAYER 1 Floor Tile, Tan, Non-homogeneous	LAYER 1 98%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, Yellow, Homogeneous	LAYER 2 2%	None Detected	Cellulose Fiber Trace
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Non-Fibrous Material 100%
				Total % Non-Asbestos: 100.0%
LGN 110168-32 WHS-FTM-1-44-132	LAYER 1 Floor Tile, Tan, Non-homogeneous	LAYER 1 98%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, Yellow, Homogeneous	LAYER 2 2%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-33 WHS-FTM-1-45-133	LAYER 1 Floor Tile, Lt. Brown, Non-homogeneous	LAYER 1 85%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	None Detected	Cellulose Fiber 5%
	LAYER 3 Leveling Compound, White, Homogeneous	LAYER 3 10%	None Detected	Non-Fibrous Material 95%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Cellulose Fiber Trace
				Non-Fibrous Material 100%
				Total % Non-Asbestos: 100.0%
LGN 110168-34 WHS-FTM-1-45-134	LAYER 1 Floor Tile, Lt. Brown, Non-homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	None Detected	Cellulose Fiber 10%
	LAYER 3 Leveling Compound, White, Homogeneous	LAYER 3 5%	None Detected	Non-Fibrous Material 90%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Cellulose Fiber Trace
				Non-Fibrous Material 100%
				Total % Non-Asbestos: 100.0%

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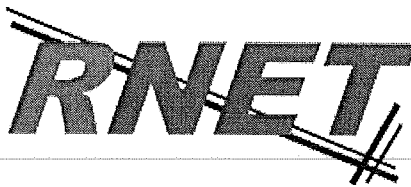
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-35 WHS-FTM-1-45-135	LAYER 1 Floor Tile, Lt. Brown, Non-homogeneous	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	None Detected		Cellulose Fiber	10%
	LAYER 3 Leveling Compound, White, Homogeneous	LAYER 3 5%	None Detected		Non-Fibrous Material	90%
					Cellulose Fiber	Trace
					Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-36 WHS-FTM-3-46-136	LAYER 1 Floor Tile, Lt. Blue, Non-homogeneous	LAYER 1 95%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue W/ Leveling Comp, Yellow / White, Non-homogeneous	LAYER 2 5%	None Detected		Cellulose Fiber	Trace
					Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-37 WHS-FTM-3-46-137	LAYER 1 Floor Tile, Lt. Blue, Non-homogeneous	LAYER 1 95%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue W/ Leveling Comp & Plaster, Yellow / White, Non-homogeneous	LAYER 2 5%	None Detected		Cellulose Fiber	2%
					Non-Fibrous Material	98%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Total % Non-Asbestos: 100.0%	
LGN 110168-38 WHS-FTM-3-46-138	LAYER 1 Floor Tile, Lt. Blue, Non-homogeneous	LAYER 1 95%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue W/ Leveling Comp & Plaster, Yellow / White, Non-homogeneous	LAYER 2 5%	None Detected		Cellulose Fiber	Trace
					Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos: No	Asbestos Detected		Total % Non-Asbestos: 100.0%	

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**REPORT OF TEST RESULTS**

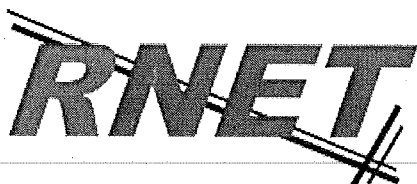
PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-39 WHS-FTM-3-47-139	LAYER 1 Sheet Vinyl Tile, Brown / Multi, Non-homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Adhesive W/ Wood, Black / Brown, Non-homogeneous	LAYER 2 10%	None Detected	Cellulose Fiber Trace Wood Fiber 40% Non-Fibrous Material 60%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-40 WHS-FTM-3-47-140	LAYER 1 Sheet Vinyl Tile, Brown / Multi, Non-homogeneous	LAYER 1 95%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Adhesive W/ Wood, Black / Brown, Non-homogeneous	LAYER 2 5%	None Detected	Cellulose Fiber Trace Wood Fiber 15% Non-Fibrous Material 85%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-41 WHS-FTM-3-47-141	LAYER 1 Sheet Vinyl Tile, Brown / Multi, Non-homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Adhesive W/ Wood, Black / Brown, Non-homogeneous	LAYER 2 10%	None Detected	Wood Fiber 60% Non-Fibrous Material 40%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-42 WHS-FTM-3-48-142	Floor Tile, Grey, Non-homogeneous	LAYER 1 100%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%



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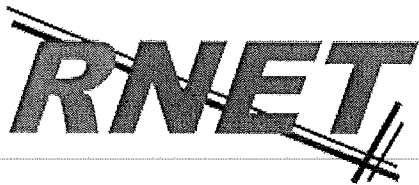
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

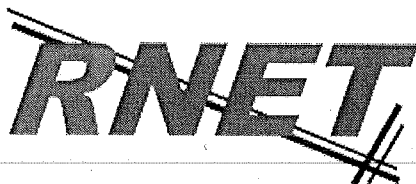
NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-43 WHS-FTM-3-48-143	LAYER 1 Floor Tile, Grey, Non-homogeneous	LAYER 1 97%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue W/ Wood, white / Brown, Non-homogeneous	LAYER 2 3%	None Detected	Wood Fiber 90%
				Non-Fibrous Material 10%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-44 WHS-FTM-3-48-144	LAYER 1 Floor Tile, Grey, Non-homogeneous	LAYER 1 97%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue W/ Wood, white / Brown, Non-homogeneous	LAYER 2 3%	None Detected	Wood Fiber 90%
				Non-Fibrous Material 10%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-45 WHS-G-3-49-145	Sealant, Black, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace
				Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-46 WHS-G-3-49-146	Sealant, Black, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace
				Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-47 WHS-G-3-49-147	Sealant, Black, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Trace
				Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-48 WHS-FD-3-50-148	Insulation, White, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber 70%
				Non-Fibrous Material 30%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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info@metesting.com**REPORT OF TEST RESULTS**PLM Bulk Asbestos Analysis  
NVLAP Lab Code 200448-0**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-49 WHS-FD-3-50-149	Insulation, White, Homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	70% 30%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-50 WHS-FD-3-50-150	Insulation, White, Homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	70% 30%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-51 WHS-FP-G-51-151	Fire Proofing Insulation, White, Homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% 60% 10%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-52 WHS-FP-G-51-152	Fire Proofing Insulation, White, Homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% 60% 10%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-53 WHS-FP-G-51-153	Fire Proofing Insulation, White, Homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	30% 60% 10%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-54 WHS-FTM-G-52-154	LAYER 1 Floor Tile, Tan / Grey, Non-homogeneous	LAYER 1 95%	Chrysotile	20%	Non-Fibrous Material	80%
	LAYER 2 Mastic, Black, Homogeneous	LAYER 2 5%	Chrysotile	22%	Cellulose Fiber Non-Fibrous Material	Trace 78%
Asbestos Present: Yes		Total % Asbestos: 20.1%		Total % Non-Asbestos: 79.9%		

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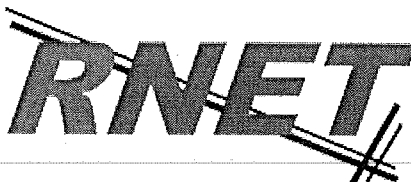
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-55 WHS-FTM-G-52-155	Note: Sample Not Analyzed / Possitive Stop					
	Asbestos Present:	Total % Asbestos:	Not Analyzed		Total % Non-Asbestos:	Not Analyzed
LGN 110168-56 WHS-FTM-G-52-156	Note: Sample Not Analyzed / Possitive Stop					
	Asbestos Present:	Total % Asbestos:	Not Analyzed		Total % Non-Asbestos:	Not Analyzed
LGN 110168-57 WHS-STM-1-53-157	LAYER 1 Stair Tread, Drk. Pink, Homogeneous	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, Yellow / Black, Non-homogeneous	LAYER 2 10%	None Detected		Cellulose Fiber	2%
					Non-Fibrous Material	98%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected		Total % Non-Asbestos:	100.0%
LGN 110168-58 WHS-STM-1-53-158	LAYER 1 Stair Tread, Drk. Pink, Homogeneous	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, Yellow, Homogeneous	LAYER 2 10%	None Detected		Cellulose Fiber	2%
					Non-Fibrous Material	98%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected		Total % Non-Asbestos:	100.0%
LGN 110168-59 WHS-STM-1-53-159	LAYER 1 Stair Tread, Drk. Pink, Homogeneous	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	LAYER 2 Glue, Yellow, Homogeneous	LAYER 2 10%	None Detected		Cellulose Fiber	Trace
					Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected		Total % Non-Asbestos:	100.0%

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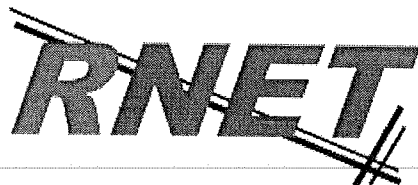
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-60 WHS-C-E-54-160	Caulking, Lt. Grey, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-61 WHS-C-E-54-161	Caulking, Lt. Grey, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-62 WHS-C-E-54-162	Caulking, Lt. Grey, Homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-63 WHS-C-E-55-163	Caulking W/ PT, white / Blue, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-64 WHS-C-E-55-164	Caulking W/ PT, white / Blue, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-65 WHS-C-E-55-165	Caulking W/ PT, white / Blue, Non-homogeneous	LAYER 1 100%	None Detected	Cellulose Fiber Non-Fibrous Material Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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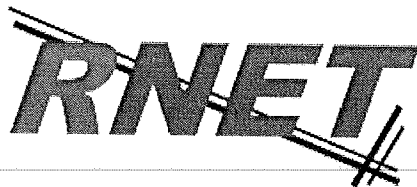
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-66 WHS-C-E-56-166	Caulking, Grey, Homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	Trace Trace% 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-67 WHS-C-E-56-167	Caulking, Grey, Homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-68 WHS-C-E-56-168	Caulking, Grey, Homogeneous	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-69 WHS-SL-G-57-169	LAYER 1 Sheet Vinyl Tile, White / Grey, Non-homogeneous	LAYER 1 95%	None Detected		Cellulose Fiber Non-Fibrous Material	Trace 100%
	LAYER 2 Glue W/ Plaster, White, Non-homogeneous	LAYER 2 5%	None Detected		Cellulose Fiber Non-Fibrous Material	Trace 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-70 WHS-SL-G-57-170	LAYER 1 Sheet Vinyl Tile, White / Grey, Non-homogeneous	LAYER 1 90%	None Detected		Cellulose Fiber Non-Fibrous Material	Trace 100%
	LAYER 2 Glue W/ Plaster, White, Non-homogeneous	LAYER 2 10%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		

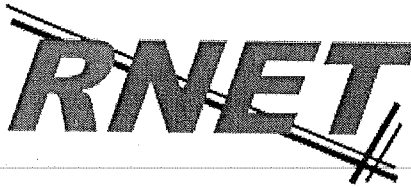
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PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-71						
WHS-SL-G-57-171	LAYER 1	LAYER 1	None Detected		Cellulose Fiber	Trace
	Sheet Vinyl Tile, White / Grey, Non-homogeneous	90%			Non-Fibrous Material	100%
	LAYER 2	LAYER 2	None Detected		Cellulose Fiber	Trace
	Glue W/ Plaster, White, Non-homogeneous	10%			Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-72						
WHS-FTM-G-58-172	LAYER 1	LAYER 1	None Detected		Cellulose Fiber	Trace
	Floor Tile, Grey / Multi, Non-homogeneous	97%			Non-Fibrous Material	100%
	LAYER 2	LAYER 2	None Detected		Cellulose Fiber	15%
	Mastic, Black, Homogeneous	3%			Non-Fibrous Material	85%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-73						
WHS-FTM-G-58-173	LAYER 1	LAYER 1	None Detected		Cellulose Fiber	Trace
	Floor Tile, Grey / Multi, Non-homogeneous	98%			Non-Fibrous Material	100%
	LAYER 2	LAYER 2	None Detected		Cellulose Fiber	15%
	Mastic, Black, Homogeneous	2%			Non-Fibrous Material	85%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		
LGN 110168-74						
WHS-FTM-G-58-174	LAYER 1	LAYER 1	None Detected		Cellulose Fiber	Trace
	Floor Tile, Grey / Multi, Non-homogeneous	98%			Non-Fibrous Material	100%
	LAYER 2	LAYER 2	None Detected		Cellulose Fiber	15%
	Mastic, Black, Homogeneous	2%			Non-Fibrous Material	85%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%		

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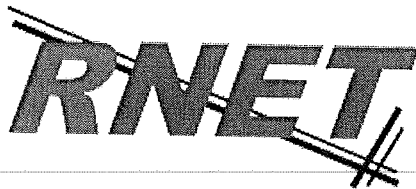
**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-75 WHS-CBM-1-59-175	LAYER 1 Cove Base, Red, Homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, White / Black, Non-homogeneous	LAYER 2 10%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-76 WHS-CBM-1-59-176	LAYER 1 Cove Base, Red, Homogeneous	LAYER 1 85%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, White / Black, Non-homogeneous	LAYER 2 15%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-77 WHS-CBM-59-177	LAYER 1 Cove Base, Red, Homogeneous	LAYER 1 90%	None Detected	Non-Fibrous Material 100%
	LAYER 2 Glue, White / Black, Non-homogeneous	LAYER 2 10%	None Detected	Cellulose Fiber Trace Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-78 WHS-FC-1-60-178	Fire Curtain, Gold, Homogeneous	LAYER 1 100%	None Detected	Synthetic Fiber 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%
LGN 110168-79 WHS-FC-1-60-179	Fire Curtain, Gold, Homogeneous	LAYER 1 100%	None Detected	Synthetic Fiber 100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

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**REPORT OF TEST RESULTS**

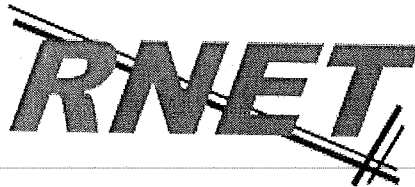
PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
LGN 110168-80						
WHS-FC-1-60-180	Fire Curtain, Gold, Homogeneous	LAYER 1 100%	None Detected		Synthetic Fiber	100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected			Total % Non-Asbestos: 100.0%	
LGN 110168-81						
WHS-FC-1-61-181	Fire Curtain, Tan / Silver, Non-homogeneous	LAYER 1 100%	None Detected		Synthetic Fiber	100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected			Total % Non-Asbestos: 100.0%	
LGN 110168-82						
WHS-FC-1-61-182	Fire Curtain, Tan / Silver, Non-homogeneous	LAYER 1 100%	None Detected		Synthetic Fiber	100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected			Total % Non-Asbestos: 100.0%	
LGN 110168-83						
WHS-FC-1-61-183	Fire Curtain, Tan / Silver, Non-homogeneous	LAYER 1 100%	None Detected		Synthetic Fiber	100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected			Total % Non-Asbestos: 100.0%	
LGN 110168-84						
WHS-FC-1-62-184	Fire Curtain, Black, Homogeneous	LAYER 1 100%	None Detected		Synthetic Fiber	100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected			Total % Non-Asbestos: 100.0%	
LGN 110168-85						
WHS-FC-1-62-185	Fire Curtain, Black, Homogeneous	LAYER 1 100%	None Detected		Synthetic Fiber	100%
	Asbestos Present: No	Total % Asbestos: No Asbestos Detected			Total % Non-Asbestos: 100.0%	



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**REPORT OF TEST RESULTS**

PLM Bulk Asbestos Analysis

NVLAP Lab Code 200448-0

**CLIENT:** Family-Kansas City, MO**PROJECT:** LGN 110168

Lab-ID No. Sample ID	Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
LGN 110168-86 WHS-FC-1-62-186	Fire Curtain, Black, Homogeneous	LAYER 1 100%	None Detected	Synthetic Fiber 100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		Total % Non-Asbestos: 100.0%

ADDITIONAL COMMENTS: All separable parts or layers (except paint) within the same sample are analyzed and reported individually. Composite asbestos percent is reported, if applicable, by visual estimation.

ND = None Detected TR = Trace, less than 1.0%

**Analyst:**  
Kathleen Tullio**Date:** 03/07/2011

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Client: Family Environmental, K.C.Contact: Mike DustmanAddress: 600 East 8th Street, Suite BKansas City, Missouri 64106Phone #: (816) 527-0101Fax #/Email: mdustman@familyenvironmental.comDate Sampled: 2/11/2011 thru 2/18/2011Sample Location: Westport High School, Kansas City, MoSpecial Instructions: Positive Stop. Composite all Drywall-Joint Compound Samples, please.

Lab ID	Client ID	Description	Type of Analysis	Volume/Other
PLM11-0168-1	WHS-FTM-G-1-1	Floor Tile and Mastic	PLM	N/A
-2	WHS-FTM-G-1-2	Floor Tile and Mastic	PLM	N/A
-3	WHS-FTM-G-1-3	Floor Tile and Mastic	PLM	N/A
-4	WHS-CBM-G-2-4	Cove Base and Mastic	PLM	N/A
-5	WHS-CBM-G-2-5	Cove Base and Mastic	PLM	N/A
-6	WHS-CBM-G-2-6	Cove Base and Mastic	PLM	N/A
-7	WHS-CT-G-3-7	Ceiling Tile	PLM	N/A
-8	WHS-CT-G-3-8	Ceiling Tile	PLM	N/A
-9	WHS-CT-G-3-9	Ceiling Tile	PLM	N/A
-10	WHS-CT-G-4-10	Ceiling Tile	PLM	N/A
-11	WHS-CT-G-4-11	Ceiling Tile	PLM	N/A
-12	WHS-CT-G-4-12	Ceiling Tile	PLM	N/A
-13	WHS-WP-G-5-13	Wall Plaster	PLM	N/A
-14	WHS-WP-G-5-14	Wall Plaster	PLM	N/A
-15	WHS-WP-G-5-15	Wall Plaster	PLM	N/A
-16	WHS-DWJC-G-6-16	Drywall with Joint Compnd.	PLM	N/A
-17	WHS-DWJC-G-6-17	Drywall with Joint Compnd.	PLM	N/A
-18	WHS-DWJC-G-6-18	Drywall with Joint Compnd.	PLM	N/A
-19	WHS-FTM-G-7-19	Floor Tile and Mastic	PLM	N/A
-20	WHS-FTM-G-7-20	Floor Tile and Mastic	PLM	N/A

Total Number of Samples:

20/186

Sample Condition (Accept/Reject):

OK

Requested Turnaround Time:

☐ RUSH \*\*\*☐ Next Day☒ 3-5 Days

\*\*\* RUSH Turnaround times required prior notification. Additional fees may apply. Call lab for more details.

Relinquished by: Michael E. DustmanReceived by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

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Lab ID	Client ID	Description	Type of Analysis	Volume/Other
<del>PLM11-0168-21</del>	WHS-FTM-G-7-21	Floor Tile and Mastic	PLM	N/A
<del>-22</del>	WHS-CBM-G-8-22	Cove Base and Mastic	PLM	N/A
<del>-23</del>	WHS-CBM-G-8-23	Cove Base and Mastic	PLM	N/A
<del>-24</del>	WHS-CBM-G-8-24	Cove Base and Mastic	PLM	N/A
<del>-25</del>	WHS-WP-G-9-25	Wall Plaster	PLM	N/A
<del>-26</del>	WHS-WP-G-9-26	Wall Plaster	PLM	N/A
<del>-27</del>	WHS-WP-G-9-27	Wall Plaster	PLM	N/A
<del>-28</del>	WHS-C-G-10-28	Caulking	PLM	N/A
<del>-29</del>	WHS-C-G-10-29	Caulking	PLM	N/A
<del>-30</del>	WHS-C-G-10-30	Caulking	PLM	N/A
<del>-31</del>	WHS-C-G-11-31	Caulking	PLM	N/A
<del>-32</del>	WHS-C-G-11-32	Caulking	PLM	N/A
<del>-33</del>	WHS-C-G-11-33	Caulking	PLM	N/A
<del>-34</del>	WHS-WP-G-12-34	Wall Plaster	PLM	N/A
<del>-35</del>	WHS-WP-G-12-35	Wall Plaster	PLM	N/A
<del>-36</del>	WHS-WP-G-12-36	Wall Plaster	PLM	N/A
<del>-37</del>	WHS-TSI-G-13-37	CP-11	PLM	N/A
<del>-38</del>	WHS-TSI-G-13-38	CP-11	PLM	N/A
<del>-39</del>	WHS-TSI-G-13-39	CP-11	PLM	N/A
<del>-40</del>	WHS-CP-G-14-40	Ceiling Plaster	PLM	N/A

Total Number of Samples:

20/186

Sample Condition (Accept/Reject):

OK

Requested Turnaround Time:

☐ RUSH \*\*\*☐ Next Day☒ 3-5 Days

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Relinquished by: Michael E. DustmanReceived by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

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Lab ID	Client ID	Description	Type of Analysis	Volume/Other
PLM11-0168-41	WHS-CP-G-14-41	Ceiling Plaster	PLM	N/A
-42	WHS-CP-G-14-42	Ceiling Plaster	PLM	N/A
-43	WHS-C-G-15-43	Caulking	PLM	N/A
-44	WHS-C-G-15-44	Caulking	PLM	N/A
-45	WHS-C-G-15-45	Caulking	PLM	N/A
-46	WHS-CT-G-16-46	Ceiling Tile	PLM	N/A
-47	WHS-CT-G-16-47	Ceiling Tile	PLM	N/A
-48	WHS-CT-G-16-48	Ceiling Tile	PLM	N/A
-49	WHS-WT-G-17-49	Wall Texture	PLM	N/A
-50	WHS-WT-G-17-50	Wall Texture	PLM	N/A
-51	WHS-WT-G-17-51	Wall Texture	PLM	N/A
-52	WHS-WT-G-18-52	Wall Texture	PLM	N/A
-53	WHS-WT-G-18-53	Wall Texture	PLM	N/A
-54	WHS-WT-G-18-54	Wall Texture	PLM	N/A
-55	WHS-DWJC-G-19-55	Drywall with Joint Compd.	PLM	N/A
-56	WHS-DWJC-G-19-56	Drywall with Joint Compd.	PLM	N/A
-57	WHS-DWJC-G-19-57	Drywall with Joint Compd.	PLM	N/A
-58	WHS-DWJC-G-20-58	Drywall with Joint Compd.	PLM	N/A
-59	WHS-DWJC-G-20-59	Drywall with Joint Compd.	PLM	N/A
-60	WHS-DWJC-G-20-60	Drywall with Joint Compd.	PLM	N/A

Total Number of Samples: 20 / 186Sample Condition (Accept/Reject): OKRequested Turnaround Time: ☐ RUSH \*\*\* ☐ Next Day ☒ 3-5 Days

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Relinquished by: Michael E. DustmanReceived by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

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Lab ID	Client ID	Description	Type of Analysis	Volume/Other
PLM11-0168-61	WHS-FTM-G-21-61	Floor Tile and Mastic	PLM	N/A
-62	WHS-FTM-G-21-62	Floor Tile and Mastic	PLM	N/A
-63	WHS-FTM-G-21-63	Floor Tile and Mastic	PLM	N/A
-64	WHS-FTM-G-22-64	Floor Tile and Mastic	PLM	N/A
-65	WHS-FTM-G-22-65	Floor Tile and Mastic	PLM	N/A
-66	WHS-FTM-G-22-66	Floor Tile and Mastic	PLM	N/A
-67	WHS-CT-G-23-67	Ceiling Tile	PLM	N/A
-68	WHS-CT-G-23-68	Ceiling Tile	PLM	N/A
-69	WHS-CT-G-23-69	Ceiling Tile	PLM	N/A
-70	WHS-CBM-G-24-70	Cove Base and Mastic	PLM	N/A
-71	WHS-CBM-G-24-71	Cove Base and Mastic	PLM	N/A
-72	WHS-CBM-G-24-72	Cove Base and Mastic	PLM	N/A
-73	WHS-WP-G-25-73	Wall Plaster with Drywall	PLM	N/A
-74	WHS-WP-G-25-74	Wall Plaster with Drywall	PLM	N/A
-75	WHS-WP-G-25-75	Wall Plaster with Drywall	PLM	N/A
-76	WHS-WP-G-26-76	Wall Plaster	PLM	N/A
-77	WHS-WP-G-26-77	Wall Plaster	PLM	N/A
-78	WHS-WP-G-26-78	Wall Plaster	PLM	N/A
-79	WHS-CP-G-27-79	Ceiling Plaster	PLM	N/A
-80	WHS-CP-G-27-80	Ceiling Plaster	PLM	N/A

Total Number of Samples:

20/186

Sample Condition (Accept/Reject):

OK

Requested Turnaround Time:

☐ RUSH \*\*\*☐ Next Day☒ 3-5 Days

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Relinquished by: Michael E. DustmanReceived by: [Signature]Relinquished by: [Signature]Received by: [Signature]Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

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Lab ID	Client ID	Description	Type of Analysis	Volume/Other
PLM11-0168-81	WHS-CP-G-27-81	Ceiling Plaster	PLM	N/A
-82	WHS-DWJC-G-28-82	Drywall and Joint Compd.	PLM	N/A
-83	WHS-DWJC-G-28-83	Drywall and Joint Compd.	PLM	N/A
-84	WHS-DWJC-G-28-84	Drywall and Joint Compd.	PLM	N/A
-85	WHS-DWJC-G-29-85	Drywall and Joint Compd.	PLM	N/A
-86	WHS-DWJC-G-29-86	Drywall and Joint Compd.	PLM	N/A
-87	WHS-DWJC-G-29-87	Drywall and Joint Compd.	PLM	N/A
-88	WHS-G-G-30-88	Glue	PLM	N/A
-89	WHS-G-G-30-89	Glue	PLM	N/A
-90	WHS-G-G-30-90	Glue	PLM	N/A
-91	WHS-DW-G-31-91	Drywall	PLM	N/A
-92	WHS-DW-G-31-92	Drywall	PLM	N/A
-93	WHS-DW-G-31-93	Drywall	PLM	N/A
-94	WHS-LC-G-32-94	Leveling Compound	PLM	N/A
-95	WHS-LC-G-32-95	Leveling Compound	PLM	N/A
-96	WHS-LC-G-32-96	Leveling Compound	PLM	N/A
-97	WHS-G-G-33-97	Glue	PLM	N/A
-98	WHS-G-G-33-98	Glue	PLM	N/A
-99	WHS-G-G-33-99	Glue	PLM	N/A
-100	WHS-FTM-G-34-100	Floor Tile and Mastic	PLM	N/A

Total Number of Samples:

20 / 106

Sample Condition (Accept/Reject):

OK

Requested Turnaround Time:

☐ RUSH \*\*\*☐ Next Day☒ 3-5 Days

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Relinquished by: Michael E. DustmanReceived by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

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Lab ID	Client ID	Description	Type of Analysis	Volume/Other
PM11-0168-101	WHS-FTM-G-34-101	Floor Tile and Mastic	PLM	N/A
-102	WHS-FTM-G-34-102	Floor Tile and Mastic	PLM	N/A
-103	WHS-CBM-G-35-103	Cove Base and Mastic	PLM	N/A
-104	WHS-CBM-G-35-104	Cove Base and Mastic	PLM	N/A
-105	WHS-CBM-G-35-105	Cove Base and Mastic	PLM	N/A
-106	WHS-FTM-G-36-106	Floor Tile and Mastic	PLM	N/A
-107	WHS-FTM-G-36-107	Floor Tile and Mastic	PLM	N/A
-108	WHS-FTM-G-36-108	Floor Tile and Mastic	PLM	N/A
-109	WHS-CT-G-37-109	Ceiling Tile	PLM	N/A
-110	WHS-CT-G-37-110	Ceiling Tile	PLM	N/A
-111	WHS-CT-G-37-111	Ceiling Tile	PLM	N/A
-112	WHS-FTM-G-38-112	Floor Tile and Mastic	PLM	N/A
-113	WHS-FTM-G-38-113	Floor Tile and Mastic	PLM	N/A
-114	WHS-FTM-G-38-114	Floor Tile and Mastic	PLM	N/A
-115	WHS-FTM-G-39-115	Floor Tile and Mastic	PLM	N/A
-116	WHS-FTM-G-39-116	Floor Tile and Mastic	PLM	N/A
-117	WHS-FTM-G-39-117	Floor Tile and Mastic	PLM	N/A
-118	WHS-WP-1-40-118	Wall Plaster	PLM	N/A
-119	WHS-WP-1-40-119	Wall Plaster	PLM	N/A
-120	WHS-WP-1-40-120	Wall Plaster	PLM	N/A

Total Number of Samples:

20/186Sample Condition (Accept/Reject): OK

Requested Turnaround Time:

☐ RUSH \*\*\*☐ Next Day☒ 3-5 Days

\*\*\* RUSH Turnaround times required prior notification. Additional fees may apply. Call lab for more details.

Relinquished by: Michael E. DustmanReceived by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

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Lab ID	Client ID	Description	Type of Analysis	Volume/Other
PLM11-0168-121	WHS-CBM-1-41-121	Cove Base and Mastic	PLM	N/A
-122	WHS-CBM-1-41-122	Cove Base and Mastic	PLM	N/A
-123	WHS-CBM-1-41-123	Cove Base and Mastic	PLM	N/A
-124	WHS-WP-1-42-124	Wall Plaster	PLM	N/A
-125	WHS-WP-1-42-125	Wall Plaster	PLM	N/A
-126	WHS-WP-1-42-126	Wall Plaster	PLM	N/A
-127	WHS-FTM-1-43-127	Floor Tile and Mastic	PLM	N/A
-128	WHS-FTM-1-43-128	Floor Tile and Mastic	PLM	N/A
-129	WHS-FTM-1-43-129	Floor Tile and Mastic	PLM	N/A
-130	WHS-FTM-1-44-130	Floor Tile and Mastic	PLM	N/A
-131	WHS-FTM-1-44-131	Floor Tile and Mastic	PLM	N/A
-132	WHS-FTM-1-44-132	Floor Tile and Mastic	PLM	N/A
-133	WHS-FTM-1-45-133	Floor Tile and Mastic	PLM	N/A
-134	WHS-FTM-1-45-134	Floor Tile and Mastic	PLM	N/A
-135	WHS-FTM-1-45-135	Floor Tile and Mastic	PLM	N/A
-136	WHS-FTM-3-46-136	Floor Tile and Mastic	PLM	N/A
-137	WHS-FTM-3-46-137	Floor Tile and Mastic	PLM	N/A
-138	WHS-FTM-3-46-138	Floor Tile and Mastic	PLM	N/A
-139	WHS-FTM-3-47-139	Floor Tile and Mastic	PLM	N/A
-140	WHS-FTM-3-47-140	Floor Tile and Mastic	PLM	N/A

Total Number of Samples:

20/168

Sample Condition (Accept/Reject):

OK

Requested Turnaround Time:

☐ RUSH \*\*\*☐ Next Day☒ 3-5 Days

\*\*\* RUSH Turnaround times required prior notification. Additional fees may apply. Call lab for more details.

Relinquished by: Michael E. DustmanReceived by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_



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Lab ID	Client ID	Description	Type of Analysis	Volume/Other
PLM11-0168-141	WHS-FTM-3-47-141	Floor Tile and Mastic	PLM	N/A
-142	WHS-FTM-3-48-142	Floor Tile and Mastic	PLM	N/A
-143	WHS-FTM-3-48-143	Floor Tile and Mastic	PLM	N/A
-144	WHS-FTM-3-48-144	Floor Tile and Mastic	PLM	N/A
-145	WHS-G-3-49-145	Glue	PLM	N/A
-146	WHS-G-3-49-146	Glue	PLM	N/A
-147	WHS-G-3-49-147	Glue	PLM	N/A
-148	WHS-FD-3-50-148	Fire Door	PLM	N/A
-149	WHS-FD-3-50-149	Fire Door	PLM	N/A
-150	WHS-FD-3-50-150	Fire Door	PLM	N/A
-151	WHS-FP-G-51-151	Fire Proofing	PLM	N/A
-152	WHS-FP-G-51-152	Fire Proofing	PLM	N/A
-153	WHS-FP-G-51-153	Fire Proofing	PLM	N/A
-154	WHS-FTM-G-52-154	Floor Tile and Mastic	PLM	N/A
-155	WHS-FTM-G-52-155	Floor Tile and Mastic	PLM	N/A
-156	WHS-FTM-G-52-156	Floor Tile and Mastic	PLM	N/A
-157	WHS-STM-1-53-157	Stair Tread and Mastic	PLM	N/A
-158	WHS-STM-1-53-158	Stair Tread and Mastic	PLM	N/A
-159	WHS-STM-1-53-159	Stair Tread and Mastic	PLM	N/A
-160	WHS-C-E-54-160	Caulking	PLM	N/A

Total Number of Samples:

20

Sample Condition (Accept/Reject):

OK

Requested Turnaround Time:

☐ RUSH \*\*\*☐ Next Day☒ 3-5 Days

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Relinquished by: Michael E. DustmanReceived by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

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Lab ID	Client ID	Description	Type of Analysis	Volume/Other
PLM11-0168-161	WHS-C-E-54-161	Caulking	PLM	N/A
-162	WHS-C-E-54-162	Caulking	PLM	N/A
-163	WHS-C-E-55-163	Caulking	PLM	N/A
-164	WHS-C-E-55-164	Caulking	PLM	N/A
-165	WHS-C-E-55-165	Caulking	PLM	N/A
-166	WHS-C-E-56-166	Caulking	PLM	N/A
-167	WHS-C-E-56-167	Caulking	PLM	N/A
-168	WHS-C-E-56-168	Caulking	PLM	N/A
-169	WHS-SL-G-57-169	Sheet Linoleum	PLM	N/A
-170	WHS-SL-G-57-170	Sheet Linoleum	PLM	N/A
-171	WHS-SL-G-57-171	Sheet Linoleum	PLM	N/A
-172	WHS-FTM-G-58-172	Floor Tile and Mastic	PLM	N/A
-173	WHS-FTM-G-58-173	Floor Tile and Mastic	PLM	N/A
-174	WHS-FTM-G-58-174	Floor Tile and Mastic	PLM	N/A
-175	WHS-CBM-1-59-175	Cove Base and Mastic	PLM	N/A
-176	WHS-CBM-1-59-176	Cove Base and Mastic	PLM	N/A
-177	WHS-CBM-1-59-177	Cove Base and Mastic	PLM	N/A
-178	WHS-FC-1-60-178	Fire Curtain	PLM	N/A
-179	WHS-FC-1-60-179	Fire Curtain	PLM	N/A
-180	WHS-FC-1-60-180	Fire Curtain	PLM	N/A

Total Number of Samples:

20 / 186Sample Condition (Accept/Reject): OK

Requested Turnaround Time:

☐ RUSH \*\*\*☐ Next Day☒ 3-5 Days

\*\*\* RUSH Turnaround times required prior notification. Additional fees may apply. Call lab for more details.

Relinquished by: Michael E. DustmanReceived by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: 2/18/2011Date/Time: 2/22/11

Date/Time: \_\_\_\_\_

Date/Time: \_\_\_\_\_

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Date/Time: 2/18/2011

**APPENDIX E**  
**ACM PHOTOGRAPHIC LOG**

### Westport High School – ACM Sampling Locations



DIRECTION: Southeast	DESCRIPTION	This photograph shows positive White 9x9 Floor Tile with Black Mastic in the SE Corner of Room G02	1
	CLIENT	City of Kansas City Missouri	DATE 02/17/11
	PHOTOGRAPHER	Michael Dustman	



DIRECTION: East	DESCRIPTION	This photograph shows positive Brown with Red and White Streaks 9x9 Floor Tile and Mastic in a closet in Room G19.	2
	CLIENT	City of Kansas City Missouri	DATE 02/17/11
	PHOTOGRAPHER	Michael Dustman	

### Westport High School – ACM Sampling Locations



DIRECTION: East	DESCRIPTION	This photograph shows positive White and Tan streaked 12x12 Floor Tile and Mastic. In Room G21.	3
	CLIENT	City of Kansas City Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/17/11



DIRECTION: East	DESCRIPTION	This photograph shows positive Tan with White, Red and Black Streaks 9x9 Floor Tile and Mastic in Room G21.	4
	CLIENT	City of Kansas City Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/17/11



### Westport High School – ACM Sampling Locations



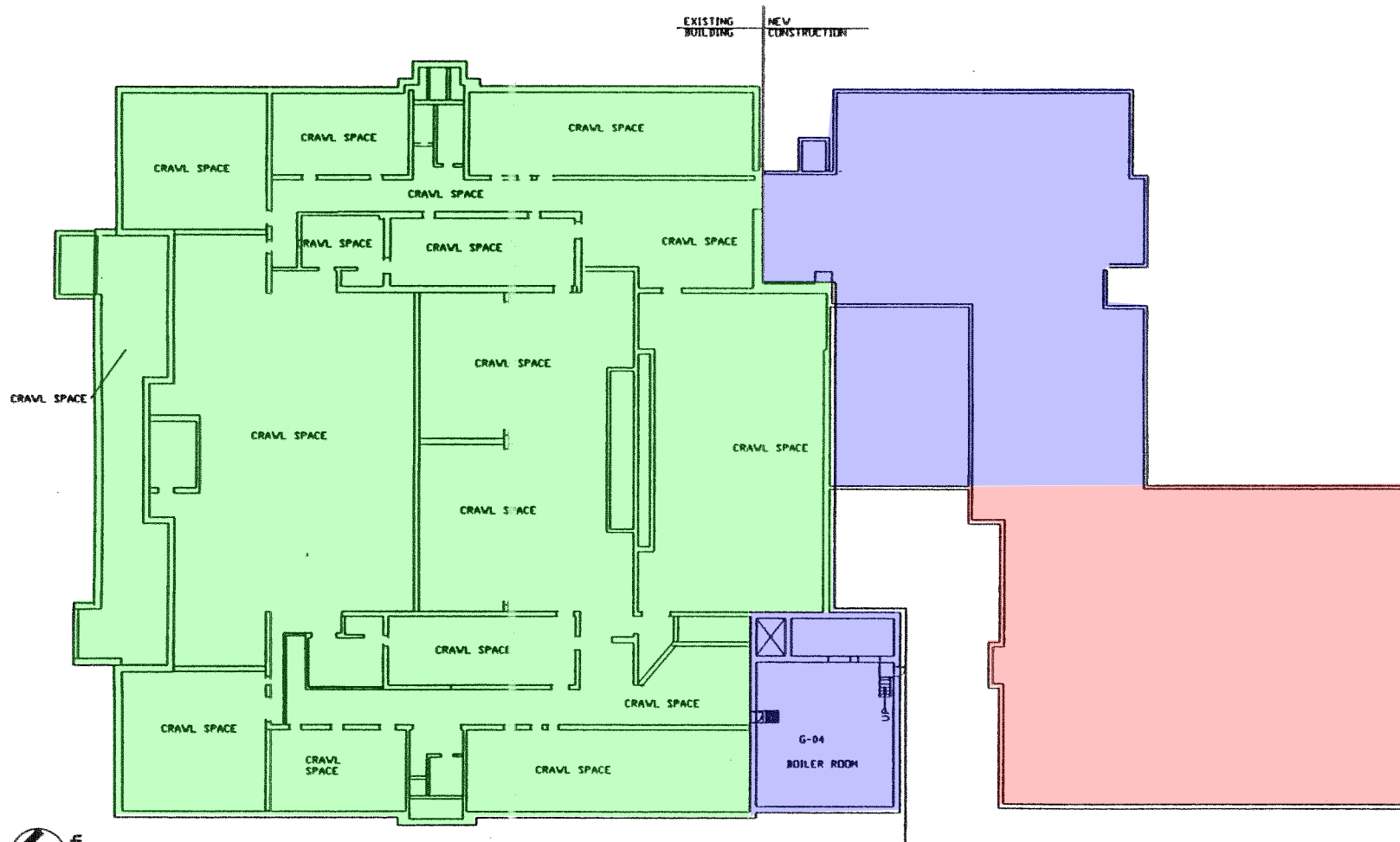
DIRECTION: West	DESCRIPTION	This photograph shows positive Grey Painted 12x12 Floor Tile and Mastic in the SE Stairwell.	5
	CLIENT	City of Kansas City Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/17/11

**APPENDIX F**  
**ACM FIGURES**



LEGEND  
 RM. NUMBER RM. NAME

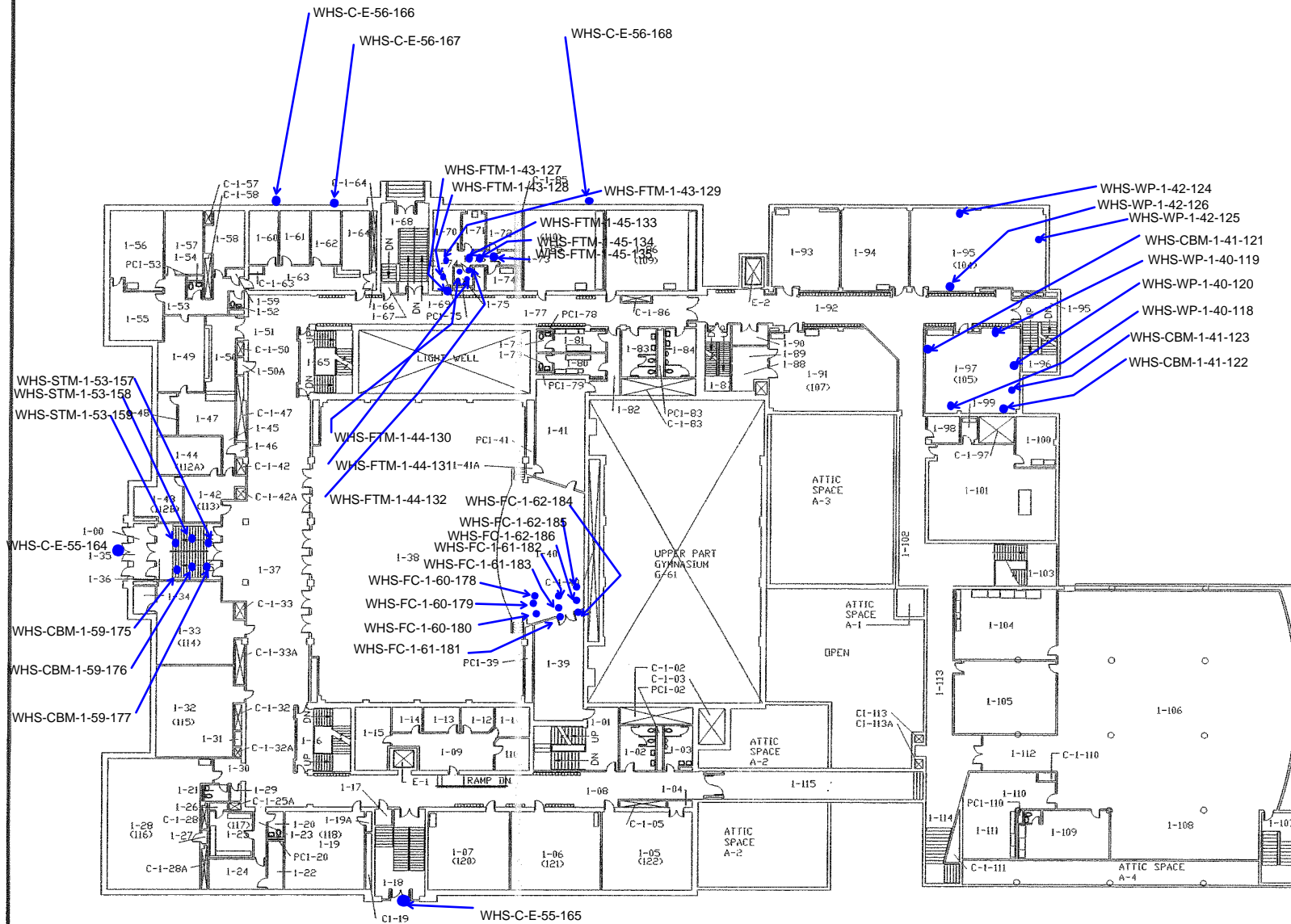
- Date of Original Construction - 1908
- Date of First Addition - 1964
- Date of Second Addition - 1992



TUNNEL FLOOR PLAN  
 SCALE: 1" = 60' - 0"

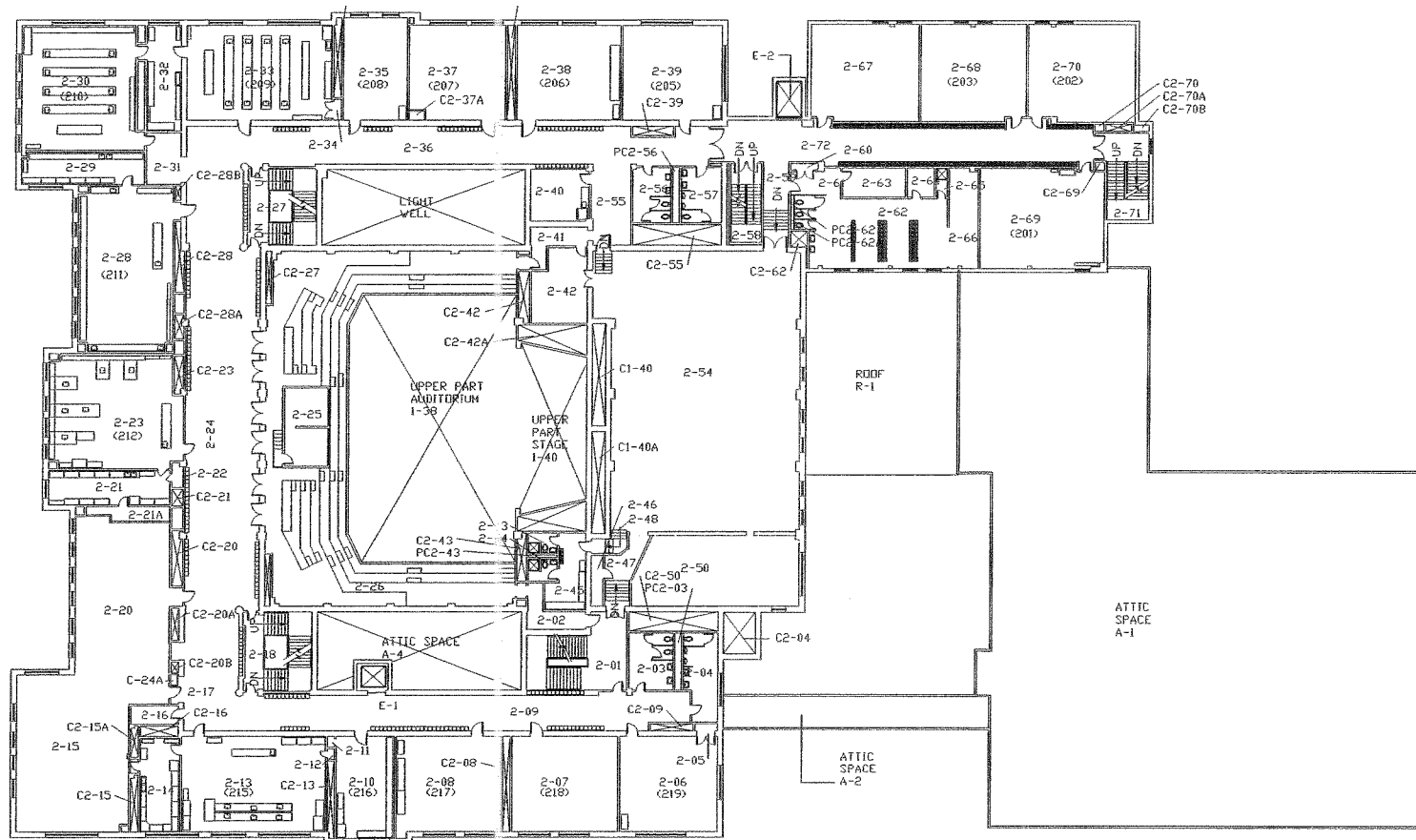


- Positive for Asbestos
- Negative for Asbestos



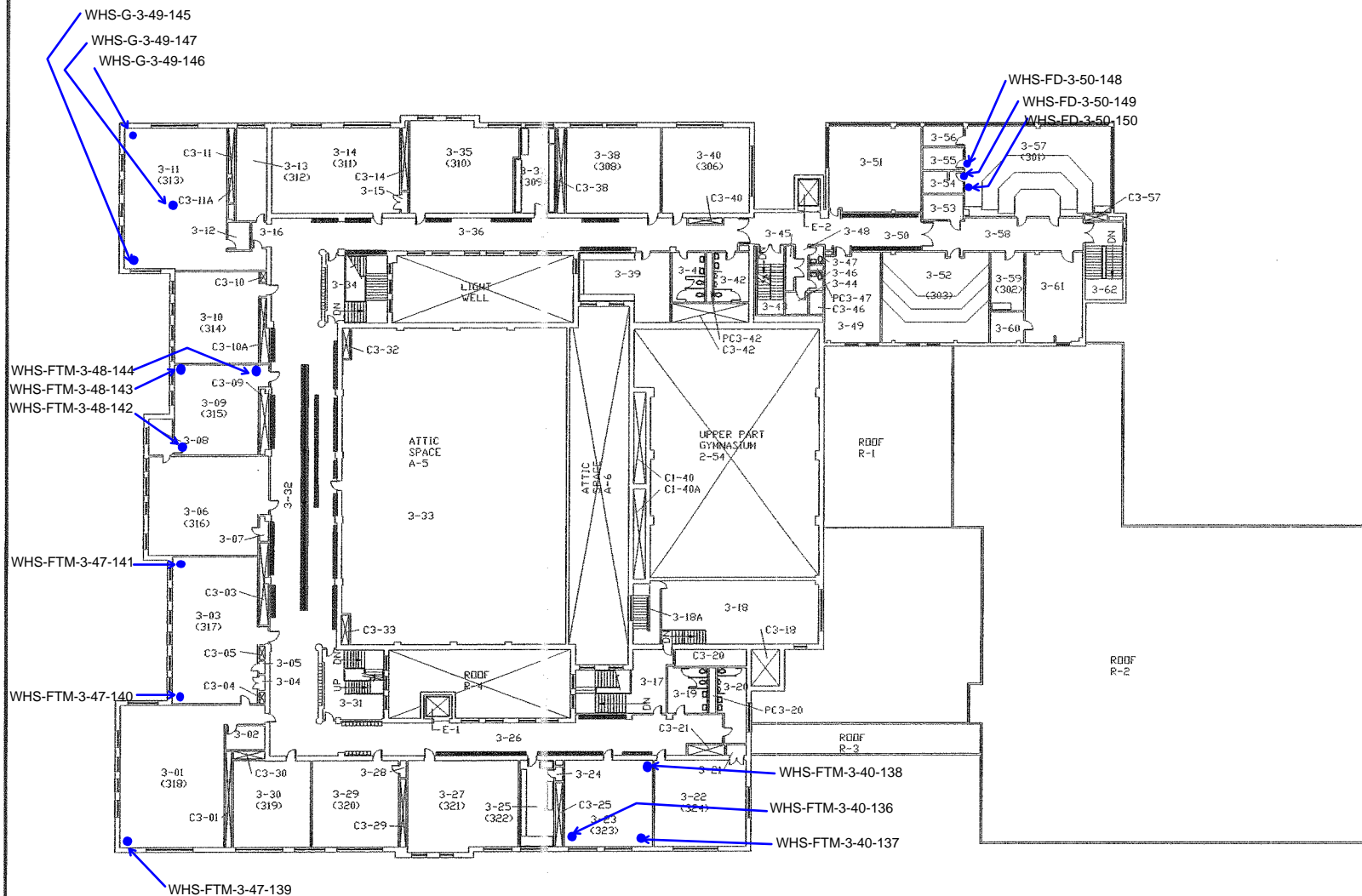
FIRST FLOOR PLAN

- Positive for Asbestos
- Negative for Asbestos



SECOND FLOOR PLAN

- Positive for Asbestos
- Negative for Asbestos



THIRD FLOOR PLAN

## **APPENDIX G**

### **LEAD-BASED PAINT RESULTS**

## Family Environmental Lead Survey Record

Inspector: Mike Dustman

Page 1 of 6

Project: Westport High School, Kansas City, Missouri

Date: 2/23/2011

Sample #	Paint Color	Description	Quantity in Square Feet (SF)	Room Number/ Location	Analysis (mg/cm <sup>2</sup> )	Positive/ Negative	Floor	Condition
1	N/A	Standardization - Calibration	N/A	N/A	N/A	N/A	N/A	N/A
2	White	SW Corner of Cafeteria	1,000 SF	Cafeteria	0.00	Negative	Ground	Intact
3	Blue	Painted Radiator Cover, SW Corner of the Cafeteria	10 SF	Cafeteria	0.00	Negative	Ground	Intact
4	Blue	Painted Door Frame, SE Corner of Cafeteria	10 SF	Cafeteria	0.00	Negative	Ground	Intact
5	Blue	Painted Column in Cafeteria	30 SF	Cafeteria	0.00	Negative	Ground	Intact
6	Yellow	Staff Dining Room , NW Corner	360 SF	Staff Dining	0.00	Negative	Ground	Intact
7	White	Staff Dining Room , West Wall	360 SF	Staff Dining	0.00	Negative	Ground	Intact
8	Light Purple	Door Frame in NW Corner of Cafeteria to Stairs	10 SF	Cafeteria	0.00	Negative	Ground	Intact
9	White	West Wall in NW Corner of Cafeteria to Stairs	300 SF	Cafeteria	0.00	Negative	Ground	Intact
10	Grey	Painted Stairs	50 SF	Hall	0.00	Negative	Ground	Intact
11	Brown	Painted Stair Handrail	5 SF	Hall	0.00	Negative	Ground	Intact
12	Blue	Kitchen, East Wall	360 SF	Kitchen	0.00	Negative	Ground	Intact
13	Light Grey	Kitchen Locker Room Door Frame	10 SF	Kitchen	0.00	Negative	Ground	Intact
14	Pink	Kitchen Manager's Office, East Wall	80 SF	Kitchen	0.00	Negative	Ground	Intact
15	Grey	Kitchen Laundry Room, South Wall	80 SF	Kitchen	0.00	Negative	Ground	Intact
16	White	North Wall between Room A and Room B	140 SF	Hall	0.00	Negative	Ground	Intact
17	White	North Wall in Room G01	300 SF	G01	0.00	Negative	Ground	Intact
18	Dark Blue	North Wall in Room A	140 SF	Room A	0.00	Negative	Ground	Intact
19	Light Blue	North Wall in Room B	140 SF	Room B	0.00	Negative	Ground	Intact
20	White	West Wall in Room G01	300 SF	Room G01	0.00	Negative	Basement	Intact



## Family Environmental Lead Survey Record

Inspector: Mike Dustman

Page 2 of 6

Project: Westport High School, Kansas City, Missouri

Date: 2/23/2011

Sample #	Paint Color	Description	Quantity in Square Feet (SF)	Room Number/ Location	Analysis (mg/cm <sup>2</sup> )	Positive/ Negative	Floor	Condition
21	Yellow	West Wall of Football Locker Room	300 SF	Room G02	0.00	Negative	Ground	Intact
22	Blue	West Wall of Football Locker Room	100 SF	Room G02	0.00	Negative	Ground	Intact
23	White	East Wall of South Exit in Room G02	250 SF	Room G02	0.00	Negative	Ground	Intact
24	Blue	Door of South Exit in Room G02	24 SF	Room G02	0.00	Negative	Ground	Intact
25	Blue	Door Frame of South Exit in Room G02	10 SF	Room G02	0.00	Negative	Ground	Intact
26	Grey	Stair Handrail	5 SF	Hall	0.00	Negative	Ground	Intact
27	Yellow	East Wall in Room G02	450 SF	Room G02	0.00	Negative	Ground	Intact
28	Robin Egg Blue	West Wall of Office in SE Corner of Room G02	70 SF	Room G02	0.00	Negative	Ground	Intact
29	White	East Wall of the North Half of G02	450 SF	Room G02	0.00	Negative	Ground	Intact
30	Yellow	East Wall of the South Half of Room G02	450 SF	Room G02	0.00	Negative	Ground	Intact
31	White	East Wall of Hallway, Outside Room G30	900 SF	Room G30	0.00	Negative	Ground	Intact
32	Brown	Window Sill of Room G30	5 SF	Room G30	0.00	Negative	Ground	Intact
33	Tan	East Wall above Drop Ceiling in Room G30	800 SF	Room G30	>5.00	Positive	Ground	Intact
34	Tan	Ceiling above Drop ceiling in Room G30	900 SF	Room G30	>5.00	Positive	Ground	Intact
35	Brown	Door Frame of Room G30	10 SF	Room G30	0.00	Negative	Ground	Intact
36	Brown	Door of Room G30	24 SF	Room G30	0.00	Negative	Ground	Intact
37	Tan	Painted Piping above Drop Ceiling in Room G31	30 SF	Room G31	>5.00	Positive	Ground	Intact
38	Tan	East Wall above Drop Ceiling in Room G31	400 SF	Room G31	>5.00	Positive	Ground	Intact
39	Tan	Ceiling above Drop ceiling in Room G31	900 SF	Room G31	>5.00	Positive	Ground	Intact
40	Green	East Wall above Drop Ceiling in Room G31	400 SF	Room G31	>5.00	Positive	Ground	Intact



## Family Environmental Lead Survey Record

Inspector: Mike Dustman

Page 3 of 6

Project: Westport High School, Kansas City, Missouri

Date: 2/23/2011

Sample #	Paint Color	Description	Quantity in Square Feet (SF)	Room Number/ Location	Analysis (mg/cm <sup>2</sup> )	Positive/ Negative	Floor	Condition
41	White	Ceiling above Drop Ceiling in Room G31	500 SF	Room G31	>5.00	Positive	Ground	Intact
42	Green	Painted Ductwork above Drop Ceiling in Room G31	400 SF	Room G31	>5.00	Positive	Ground	Intact
43	White	Painted Window on East Wall, NE Corner of Room G31	15 SF	Room G31	>5.00	Positive	Ground	Intact
44	Robin Egg Blue	East Wall above Drop Ceiling in Room G32	800 SF	Room G32	>5.00	Positive	Ground	Intact
45	White	Ceiling above Drop Ceiling in Room G32	900 SF	Room G32	>5.00	Positive	Ground	Intact
46	White	Painted Piping above Drop Ceiling in Room G32	30 SF	Room G32	>5.00	Positive	Ground	Intact
47	Pink	West Wall of East Janitor Closet by Stairs	35 SF	Janitor's Closet	0.00	Negative	Ground	Intact
48	Pink	East Stair Stringer	100 SF	Stair	1.23	Positive	Ground	Intact
49	Grey	East Stair Treads	200 SF	Stair	1.10	Positive	Ground	Intact
50	White	West Wall above Lockers, Opposite of East Stairs	450 SF	Hall	0.00	Negative	Ground	Intact
51	Blue	East Wall of Room G05	270 SF SF	Room G05	>5.00	Positive	Ground	Intact
52	Blue	North Wall of Room G05	270 SF SF	Room G05	0.00	Negative	Ground	Intact
53	Blue	South Wall of Room G05	270 SF SF	Room G05	0.00	Negative	Ground	Intact
54	Blue	West Wall of Room G05	270 SF SF	Room G05	0.00	Negative	Ground	Intact
55	White	West Wall above Drop Ceiling of Room G05	800 SF	Room G05	>5.00	Positive	Ground	Intact
56	Light Yellow	East Wall of Hallway between Room G05 and Room G06, Former Wall Receptacle Outlet	1,080 SF	Hall	>5.00	Positive	Ground	Intact
57	Tan	North Wall of Room G06 Entrance	100 SF	Room G06	>5.00	Positive	Ground	Intact
58	Light Yellow	Southwest Closet in Room G06	40 SF	Room G06	>5.00	Positive	Ground	Intact
59	Brown	North Wall in Southwest Closet in Room G06	40 SF	Room G06	>5.00	Positive	Ground	Intact
60	Blue	Stair Newel Post	4 SF	Stair	3.07	Positive	Ground	Intact

## Family Environmental Lead Survey Record

Inspector: Mike Dustman

Page 4 of 6

Project: Westport High School, Kansas City, Missouri

Date: 2/23/2011

Sample #	Paint Color	Description	Quantity in Square Feet (SF)	Room Number/ Location	Analysis (mg/cm <sup>2</sup> )	Positive/ Negative	Floor	Condition
61	Blue	Balusters of Northeast Stair Railing	10 SF	Stair	0.00	Negative	Ground	Intact
62	Blue	Northeast Stair Stringer	120 SF	Stair	0.00	Negative	Ground	Intact
63	Grey	Stair Treads of Northeast Stair	100 SF	Stair	0.00	Negative	Ground	Intact
64	Tan	Hallway above Drop Ceiling	1,275 SF	Hall	>5.00	Positive	Ground	Intact
65	Light Pink	Ceiling of Storage Room in Room G11	300 SF	Room G11	>5.00	Positive	Ground	Intact
66	Light Pink	North Wall of Storage Room in Room G11	150 SF	Room G11	>5.00	Positive	Ground	Intact
67	Light Pink	North Wall of Storage room in Room G12	150 SF	Room G12	>5.00	Positive	Ground	Intact
68	White	Painted Duct in Ceiling of Room G12	425 SF	Room G12	>5.00	Positive	Ground	Intact
69	Tan	South Wall above Drop Ceiling in Room G13	800 SF	Room G13	>5.00	Positive	Ground	Intact
70	Tan	Ceiling along South Wall above Drop Ceiling of Room G13	900 SF	Room G13	>5.00	Positive	Ground	Intact
71	Tan	Air Duct above Drop Ceiling in Room G14	200 SF	Room G14	>5.00	Positive	Ground	Intact
72	Grey	South Wall of Room G14	180 SF	Room G14	0.00	Negative	Ground	Intact
73	Tan	East Wall of Room G17	180 SF	Room G17	>5.00	Positive	Ground	Intact
74	Light Yellow	Base of South Stairs, Former Wall Receptacle	500 SF	Hall	>5.00	Positive	Ground	Intact
75	Light Pink	Southwest Corner of Room G18, Upper Wall on West Wall	200 SF	Room G18	>5.00	Positive	Ground	Intact
76	Light Green	North Wall of Room G19	800 SF	Room G19	>5.00	Positive	Ground	Intact
77	Multi-Colored	West Wall of Room G21	800 SF	Room G21	>5.00	Positive	Ground	Intact
78	Green	North Wall of Room 121, Painted Duct Louver	5 SF	Room 121	2.40	Positive	1st	Intact
79	Blue	South Wall of Room 120, Painted Duct Louver	5 SF	Room 120	>5.00	Positive	1st	Intact
80	White	Auditorium South Wall	2,400 SF	Auditorium	>5.00	Positive	1st	Intact

## Family Environmental Lead Survey Record

Inspector: Mike Dustman

Page 5 of 6

Project: Westport High School, Kansas City, Missouri

Date: 2/23/2011

Sample #	Paint Color	Description	Quantity in Square Feet (SF)	Room Number/ Location	Analysis (mg/cm <sup>2</sup> )	Positive/ Negative	Floor	Condition
81	White	Auditorium East Wall	1,600 SF	Auditorium	>5.00	Positive	1st	Intact
82	Tan	Auditorium Chair Seats	1,000 SF	Auditorium	0.00	Negative	1st	Intact
83	Tan	Auditorium Chair Backs	1,000 SF	Auditorium	0.00	Negative	1st	Intact
84	Clear	Auditorium Floor	10,800 SF	Auditorium	0.00	Negative	1st	Intact
85	Black	Stage Right, South Wall	400 SF	Auditorium	>5.00	Positive	1st	Intact
86	Tan	Stage Left, North Wall	400 SF	Auditorium	>5.00	Positive	1st	Intact
87	Tan	Principal's Office above Drop Ceiling, North Wall	1,200 SF	Admin Office	>5.00	Positive	1st	Intact
88	White	Principal's Office, East Wall	720 SF	Admin Office	0.00	Negative	1st	Intact
89	Tan	Counselor's Office, East Wall above Drop Ceiling	800 SF	Admin Office	>5.00	Positive	1st	Intact
90	White	Counselor's Office, East Wall	450 SF	Admin Office	0.00	Negative	1st	Intact
91	White	Light Well, Window Frame, from Stage Left Window	500 SF	Exterior	>5.00	Positive	1st	Intact
92	Tan	Room 109 East Wall	300 SF	Room 109	>5.00	Positive	1st	Intact
93	Tan	Room 104 East Wall	300 SF	Room 104	0.00	Negative	1st	Intact
94	Tan	Room 104 South Wall	300 SF	Room 104	0.00	Negative	1st	Intact
95	White	Library East Wall	1,350 SF	Library	0.00	Negative	1st	Intact
96	White	Hallway Stairs to Cafeteria	1,000 SF	Hallway	0.00	Negative	1st	Intact
97	White	2nd Floor of Auditorium, East Wall	800 SF	Auditorium	>5.00	Positive	2nd	Intact
98	Brown	NE Corner of Room 212, North Wall by Window	300 SF	Room 212	>5.00	Positive	2nd	Intact
99	Tan	West Wall of Room 219	300 SF	Room 219	>5.00	Positive	2nd	Intact
100	White	South Wall of 2nd Floor Gym	1,500 SF	Gym	0.00	Negative	2nd	Intact

## Family Environmental Lead Survey Record

Inspector: Mike Dustman

Page 6 of 6

Project: Westport High School, Kansas City, Missouri

Date: 2/23/2011

Sample #	Paint Color	Description	Quantity in Square Feet (SF)	Room Number/ Location	Analysis (mg/cm <sup>2</sup> )	Positive/ Negative	Floor	Condition
101	White	East Wall of Room 202	300 SF	Room 202	0.00	Negative	2nd	Intact
102	Tan	East Wall of Room 206	300 SF	Room 206	>5.00	Positive	2nd	Intact
103	White	East Wall of Room 301	420 SF	Room 301	0.00	Negative	3rd	Intact
104	Tan	North Wall of Room 316	300 SF	Room 316	>5.00	Positive	3rd	Intact
105	Tan	North Wall of Room 318	750 SF	Room 318	>5.00	Positive	3rd	Intact
106	Tan	West Wall of Room 318	450 SF	Room 318	>5.00	Positive	3rd	Intact
107	Tan	North Wall of Room 317	750 SF	Room 317	>5.00	Positive	3rd	Intact

**APPENDIX H**

**LEAD-BASED PAINT PHOTO LOG**

### Westport High School – Positive Lead-Based Paint



DIRECTION: East	DESCRIPTION	This photograph shows positive tan paint on the east wall above the drop ceiling in Room G30, sample #34.	1
	CLIENT	City of Kansas City, Missouri	DATE 02/22/11
	PHOTOGRAPHER	Michael Dustman	



DIRECTION: Southeast	DESCRIPTION	This photograph shows positive tan paint on the east wall above the drop ceiling in Room G30, sample #35.	2
	CLIENT	City of Kansas City, Missouri	DATE 02/22/11
	PHOTOGRAPHER	Michael Dustman	

### Westport High School – Positive Lead-Based Paint



DIRECTION: North	DESCRIPTION	This photograph shows positive tan painted piping above the drop ceiling in Room G31, sample #37 and sample #41.	3
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



DIRECTION: East	DESCRIPTION	This photograph shows positive tan painted piping above the drop ceiling in Room G31, sample #378 and sample #39.	4
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

### Westport High School – Positive Lead-Based Paint



DIRECTION: Northeast	DESCRIPTION	This photograph shows positive green painted east wall above the drop ceiling in Room G31, sample #40.	5
	CLIENT	City of Kansas City, Missouri	DATE 02/22/11
	PHOTOGRAPHER	Michael Dustman	



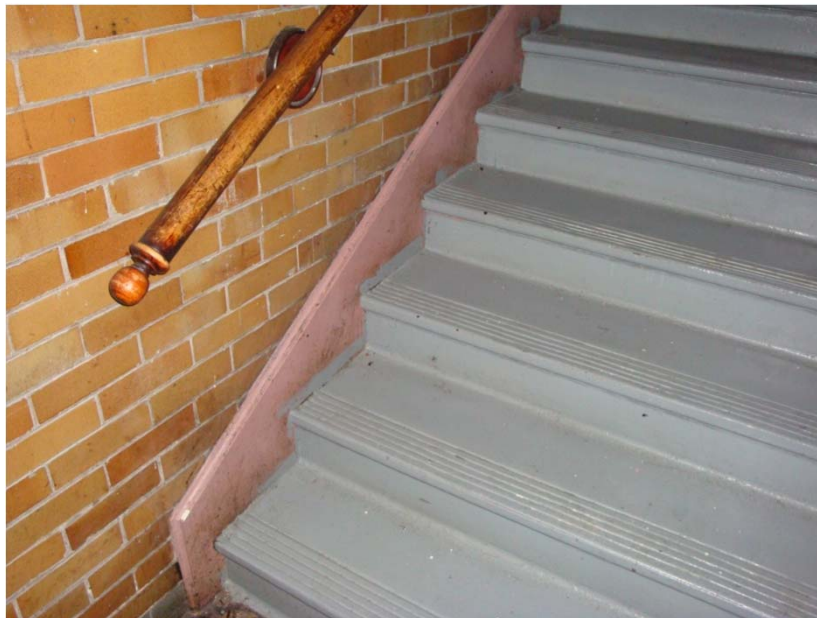
DIRECTION: North	DESCRIPTION	This photograph shows positive green painted duct work in Room G31, sample #42.	6
	CLIENT	City of Kansas City, Missouri	DATE 02/22/11
	PHOTOGRAPHER	Michael Dustman	



### Westport High School – Positive Lead-Based Paint



DIRECTION: East	DESCRIPTION	This photograph shows positive robin egg blue and white paint above the drop ceiling in Room G32, sample #44, #45 and #46.	7
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

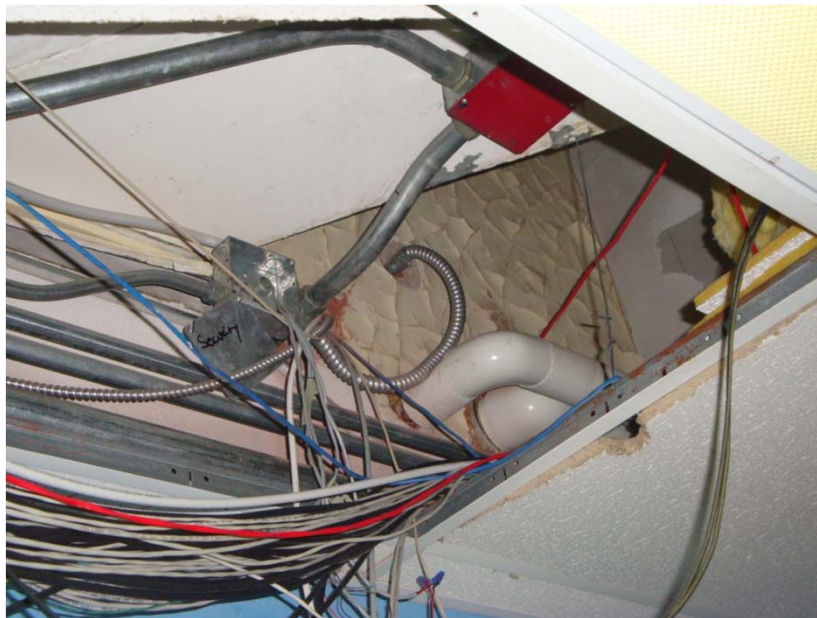


DIRECTION: Northeast	DESCRIPTION	This photograph shows positive pink and grey paint on the east stairs, sample #48 and #49.	8
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

### Westport High School – Positive Lead-Based Paint



DIRECTION: East	DESCRIPTION	This photograph shows positive blue paint on the east wall in Room G05, sample #51	9
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



DIRECTION: Northwest	DESCRIPTION	This photograph shows positive white paint above the drop ceiling on the west wall in Room G05, sample #55.	10
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

### Westport High School – Positive Lead-Based Paint



DIRECTION: East	DESCRIPTION	This photograph shows positive yellow paint where a wall receptacle once was, sample #56.	11
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



DIRECTION: Northeast	DESCRIPTION	This photograph shows positive tan paint on the north wall by Room G06 Entrance, sample #57.	12
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



### Westport High School – Positive Lead-Based Paint



DIRECTION: North	DESCRIPTION	This photograph shows positive yellow and brown paint in the SW closet in Room G06, Sample #58 and #59.	13
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



DIRECTION: West	DESCRIPTION	This photograph shows positive tan paint above the drop ceiling in the hallway, sample #64.	14
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

### Westport High School – Positive Lead-Based Paint



DIRECTION: North	DESCRIPTION	This photograph shows positive light pink paint on a storage room ceiling and north wall in Room G11, sample #65 and #66.	15
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



DIRECTION: North	DESCRIPTION	This photograph shows positive tan paint on the north storage room wall in Room G12, sample #67.	16
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

### Westport High School – Positive Lead-Based Paint



DIRECTION: West	DESCRIPTION	This photograph shows positive white paint on duct work in Room G12, sample #68.	17
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



DIRECTION: South	DESCRIPTION	This photograph shows positive tan paint on the south wall above the drop ceiling in Room G13, sample #69 and #70.	18
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

### Westport High School – Positive Lead-Based Paint



DIRECTION: South	DESCRIPTION	This photograph shows positive tan paint on an air duct above the drop ceiling in Room G14, sample #71.	19
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



DIRECTION: East	DESCRIPTION	This photograph shows positive tan paint on the east wall in Room G17, sample #73.	20
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

### Westport High School – Positive Lead-Based Paint



DIRECTION: West	DESCRIPTION	This photograph shows positive yellow paint where a wall receptacle once was, sample #74.	21
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



DIRECTION: Southwest	DESCRIPTION	This photograph shows positive light pink paint on the west wall of Room G18, sample #75.	22
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11



### Westport High School – Positive Lead-Based Paint



DIRECTION: North	DESCRIPTION	This photograph shows positive light green paint on the north wall of Room G19, sample #76.	23
	CLIENT	City of Kansas City, Missouri	DATE 02/22/11
	PHOTOGRAPHER	Michael Dustman	



DIRECTION: North	DESCRIPTION	This photograph shows positive green paint on a air duct louver on the north wall in Room 121, sample #78.	24
	CLIENT	City of Kansas City, Missouri	DATE 02/22/11
	PHOTOGRAPHER	Michael Dustman	

## Westport High School – Positive Lead-Based Paint



DIRECTION: South	DESCRIPTION	This photograph shows positive blue paint on an air duct louver on the south wall of Room 120, sample #79.	26
	CLIENT	City of Kansas City, Missouri	DATE
	PHOTOGRAPHER	Michael Dustman	02/22/11

**APPENDIX I**

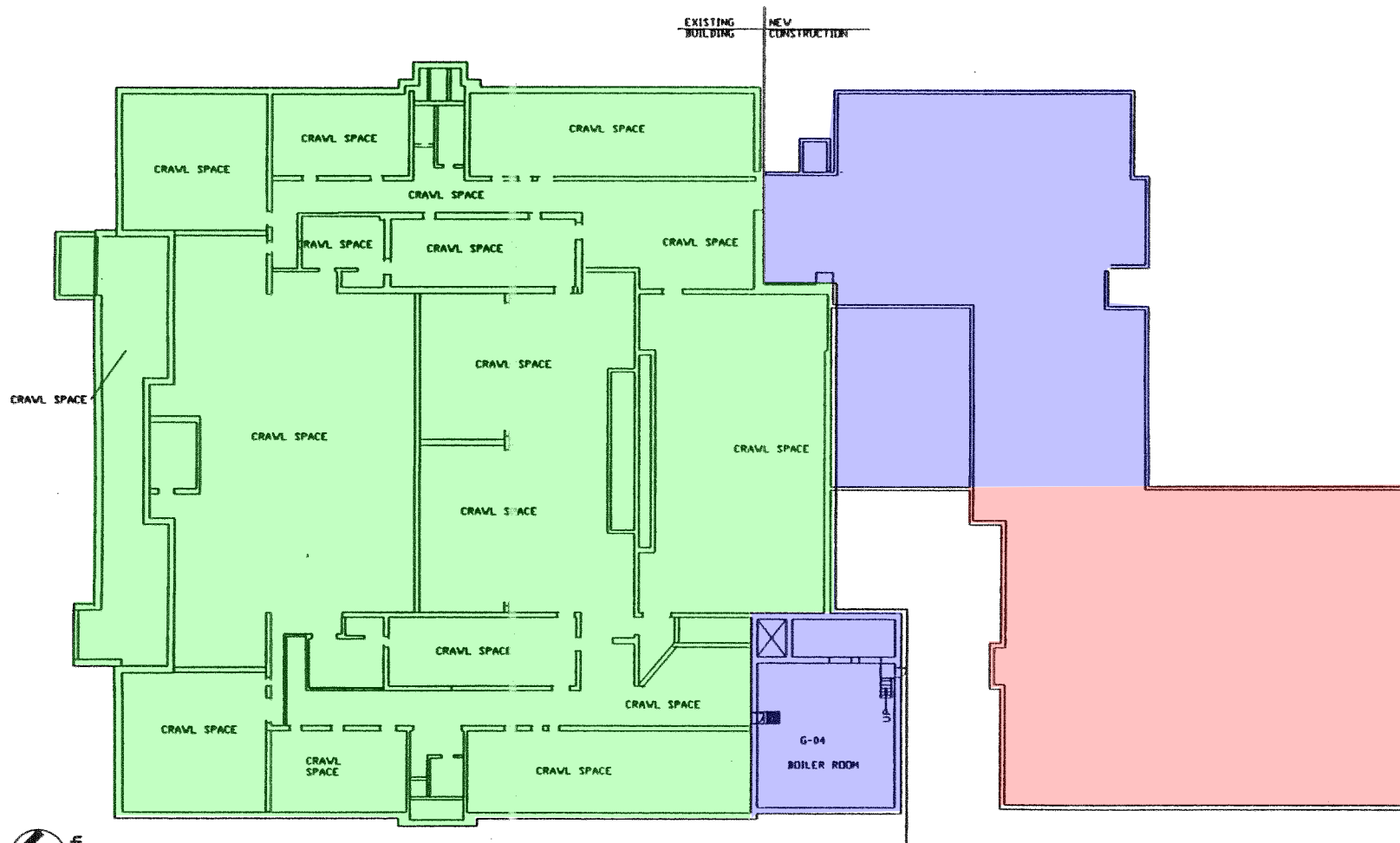
**LEAD-BASED PAINT FIGURES**

LEGEND

RM. NUMBER

RM. NAME

- Date of Original Construction - 1908
- Date of First Addition - 1964
- Date of Second Addition - 1992



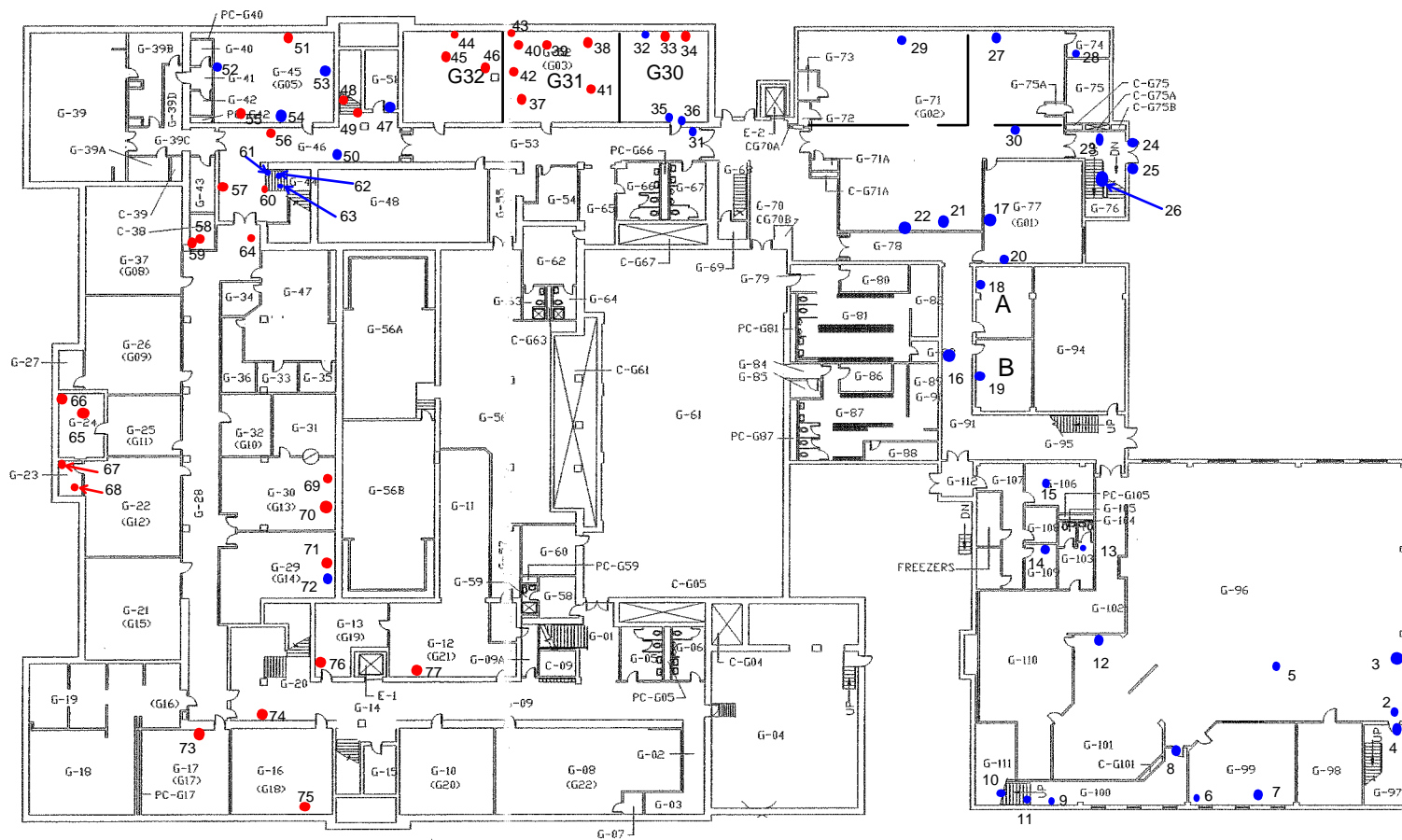
**TUNNEL FLOOR PLAN**

SCALE: 1" = 60' - 0"

**WESTPORT SR. HIGH**

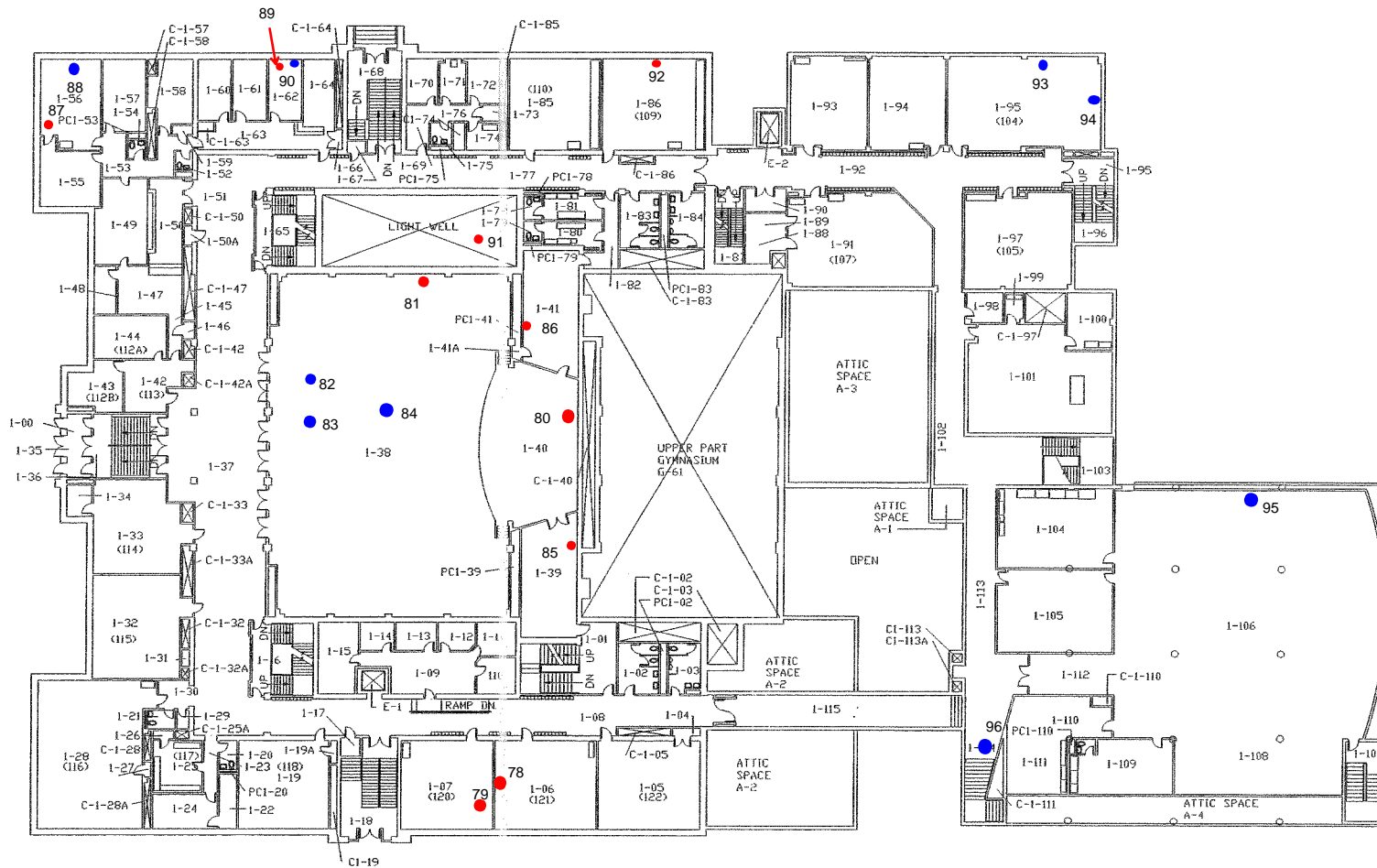
315 EAST 39TH  
SHEET 1 OF 6  
JANUARY, 1992

- Positive for Lead-Based Paint  
● Negative for Lead-Based Paint



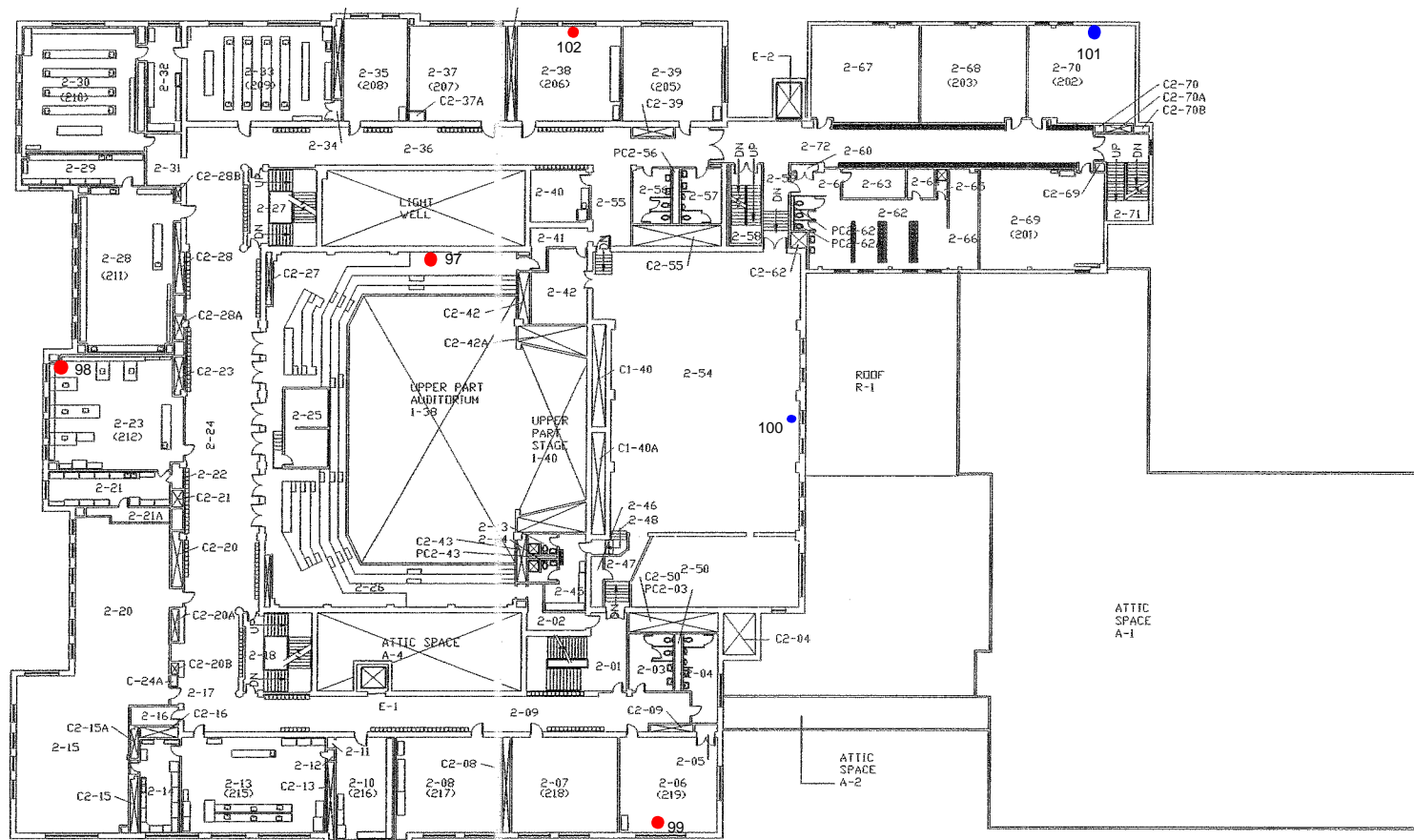
**GROUND FLOOR PLAN**

- Positive for Lead-Based Paint
- Negative for Lead-Based Paint



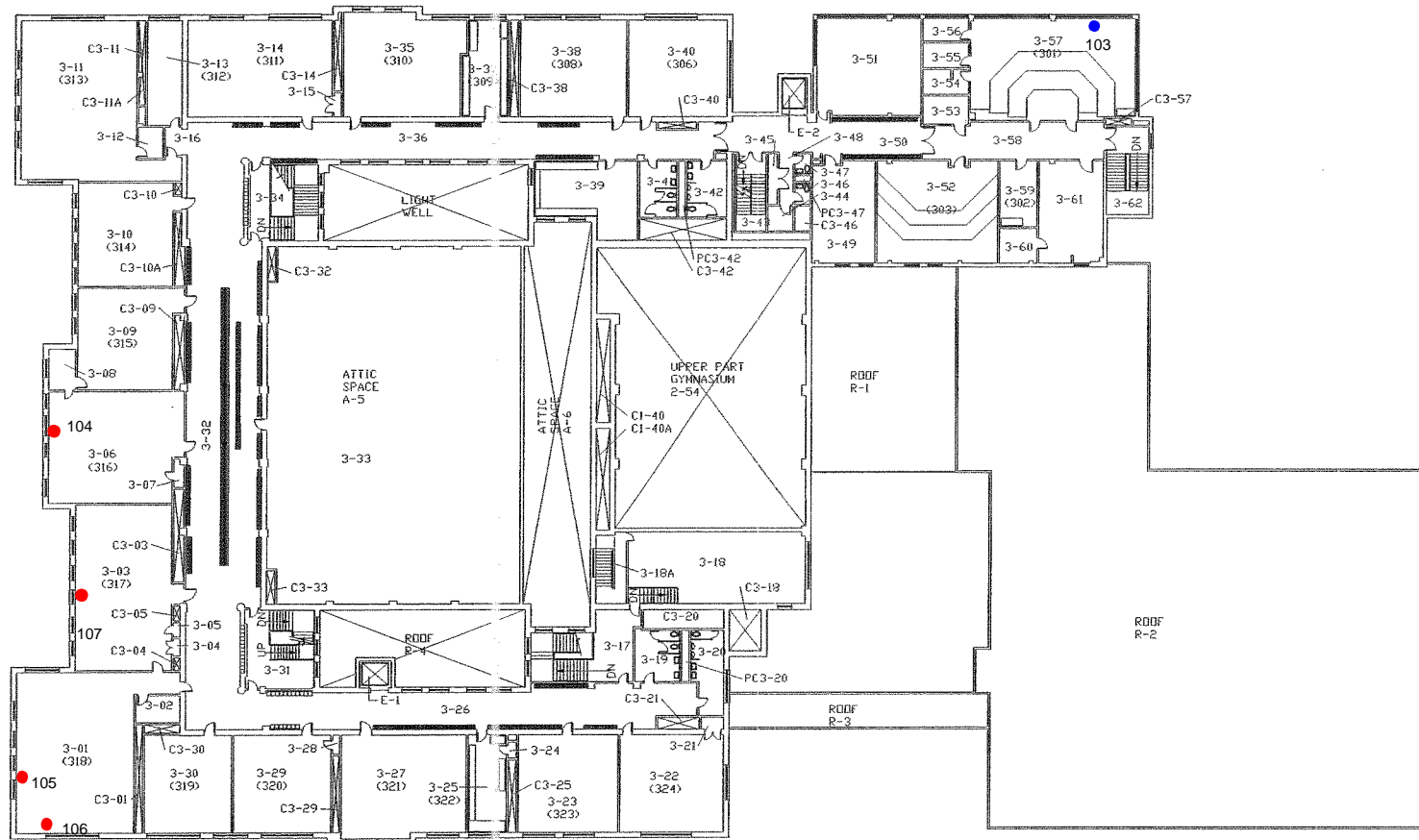
**FIRST FLOOR PLAN**

- Positive for Lead-Based Paint
- Negative for Lead-Based Paint





- Positive for Lead-Based Paint
- Negative for Lead-Based Paint



THIRD FLOOR PLAN



## **APPENDIX J**

### **HHW MEDIA SURVEY RESULTS**

**HHW SURVEY - GROUND LEVEL  
WESTPORT HIGH SCHOOL**

Page 1 of 1

Hazardous Chemicals (HC)					Household Chemicals (HHC)					Lighting Components				Mercury		Miscellaneous Items													
Item #	Product	Quantity				Item #	Product	Quantity				Fluorescent	Incandescent	Flood	Ballasts	Thermostat	Light Bulbs	Computers	Scanners	AC Units	Refrigerators	CPU Monitors	Televisions	Exit Signs	Smoke Detect.	Overhead Proj.	Emer. Lights	Sony Boom Box	Fire Exting.
		oz	gals	lbs	each			oz	gals	lbs	each																		
1	Ink Toner Cartridges				13	1						1074	17	0	515	3	0	500	4	20	7	1000	0	12	0	0	15	0	5
2	1-1 gal. Oven Cleaner		1			2																							
3	30-1 gal. Paint Cans		30			3																							
4	5-5 gal. Paint Buckets		25			4																							
HC SUBTOTAL - GROUND LEVEL		0	56	0	13	HHC SUBTOTAL - GROUND LEVEL		0	0	0	0	1074	17	0	515	3	0	500	4	20	7	1000	0	12	0	0	15	0	5

**HHW SURVEY - FIRST FLOOR THRU THRID FLOOR  
WESTPORT HIGH SCHOOL**

Hazardous Chemicals (HC)						Household Chemicals (HHC)						Light Bulbs				Mercury		Miscellaneous Items											
Item #	Product	Quantity				Item #	Product	Quantity				Fluorescent	Incandescent	Flood	Ballasts	Thermostat	Light Bulbs	Comp. Towers	DVD/CR Combos	Copier/Printer	Refrigerators	CPU Monitors	Televisions	Exit Signs	Smoke Detect.	Overhead Proj.	Emer. Lights	Sony Boom Box	Fire Exting.
		oz	gals	lbs	each			oz	gals	lbs	each																		
5	Ink Toner Cartridges				25	5																							
HC SUBTOTAL - FIRST FLOOR		0	0	0	25	HHC SUBTOTAL - FIRST FLOOR		0	0	0	0	2698	0	0	1300	0	0	3	0	0	0	0	0	18	0	0	12	0	3

<b>OVERALL HC TOTAL - GALLONS</b>		<b>56</b>		<b>OVERALL HHC TOTAL - GALLONS</b>		<b>0.0</b>		<b>OVERALL TOTAL</b>		<b>TOTAL</b>		<b>OVERALL TOTAL</b>															
<b>OVERALL HC TOTAL - POUNDS</b>		<b>0</b>		<b>OVERALL HHC TOTAL - POUNDS</b>		<b>0</b>																					
<b>OVERALL HC TOTAL - EACH</b>		<b>38</b>		<b>OVERALL HHC TOTAL - EACH</b>		<b>0</b>		<b>3772</b>	<b>17</b>	<b>0</b>	<b>1815</b>	<b>3</b>	<b>0</b>	<b>503</b>	<b>4</b>	<b>20</b>	<b>7</b>	<b>1000</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>8</b>

**APPENDIX K**  
**PCB ANALYTICAL DATA**



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Est. 1970

Mike Dustman  
Family Env. Compliance Services, Inc.  
600 East 8th Street, Suite B  
Kansas City, MO 64106

## Report Summary

Saturday April 23, 2011

Report Number: L512023

Samples Received: 04/20/11

Client Project:

Description: KCMO - KCSD ESA Project

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Jeff Carr , ESC Representative

### *Laboratory Certification Numbers*

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,  
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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# REPORT OF ANALYSIS

Mike Dustman  
Family Env. Compliance Services, Inc  
600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : MAR-1

Collected By : Mike Dustman  
Collection Date : 04/19/11 16:55

ESC Sample # : L512023-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1221	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1232	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1242	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1248	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1254	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1260	BDL	8.5	mg/kg	8082	04/22/11	500
PCBs Surrogates						
Decachlorobiphenyl	179.		% Rec.	8082	04/22/11	500
Tetrachloro-m-xylene	814.		% Rec.	8082	04/22/11	500

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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# REPORT OF ANALYSIS

Mike Dustman  
Family Env. Compliance Services, Inc  
600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : ROB-1

Collected By : Mike Dustman  
Collection Date : 04/19/11 16:30

ESC Sample # : L512023-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	112.		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	58.4		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L512023-02 (PCBS) - cannot run lower, dilution made in Extractions



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# REPORT OF ANALYSIS

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Family Env. Compliance Services, In  
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Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : ROB-3

Collected By : Mike Dustman  
Collection Date : 04/19/11 16:38

ESC Sample # : L512023-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1221	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1232	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1242	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1248	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1254	BDL	8.5	mg/kg	8082	04/22/11	500
PCB 1260	BDL	8.5	mg/kg	8082	04/22/11	500
PCBs Surrogates						
Decachlorobiphenyl	6810		% Rec.	8082	04/22/11	500
Tetrachloro-m-xylene	359.		% Rec.	8082	04/22/11	500

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : ROB-4

Collected By : Mike Dustman  
Collection Date : 04/19/11 16:39

ESC Sample # : L512023-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	48.1		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	63.3		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L512023-04 (PCBS) - cannot run lower, dilution made in Extractions





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# REPORT OF ANALYSIS

Mike Dustman  
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600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : ECOLE-1

Collected By : Mike Dustman  
Collection Date : 04/19/11 17:15

ESC Sample # : L512023-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	30.7		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	38.1		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L512023-05 (PCBS) - cannot run lower, dilution made in Extractions



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April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : ECOLE-2

Collected By : Mike Dustman  
Collection Date : 04/19/11 17:17

ESC Sample # : L512023-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	27.2		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	51.2		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L512023-06 (PCBS) - cannot run lower, dilution made in Extractions



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# REPORT OF ANALYSIS

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600 East 8th Street, Suite B  
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April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : ECOLE-3

Collected By : Mike Dustman  
Collection Date : 04/19/11 17:18

ESC Sample # : L512023-07

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	66.2		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	70.3		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L512023-07 (PCBS) - cannot run lower, dilution made in Extractions



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# REPORT OF ANALYSIS

Mike Dustman  
Family Env. Compliance Services, In  
600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : MOSE-1

Collected By : Mike Dustman  
Collection Date : 04/19/11 18:01

ESC Sample # : L512023-08

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	65.9		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	72.5		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L512023-08 (PCBS) - cannot run lower, dilution made in Extractions



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600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : WPM-1

Collected By : Mike Dustman  
Collection Date : 04/19/11 17:55

ESC Sample # : L512023-09

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	31.4		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	43.3		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L512023-09 (PCBS) - cannot run lower, dilution made in Extractions



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REPORT OF ANALYSIS

Mike Dustman  
Family Env. Compliance Services, Inc  
600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : WPH-1

Collected By : Mike Dustman  
Collection Date : 04/19/11 17:46

ESC Sample # : L512023-10

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	15.3		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	46.8		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L512023-10 (PCBS) - cannot run lower, dilution made in Extractions



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# REPORT OF ANALYSIS

Mike Dustman  
Family Env. Compliance Services, In  
600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : WPH-2

Collected By : Mike Dustman  
Collection Date : 04/19/11 17:45

ESC Sample # : L512023-11

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	11.1		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	36.8		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L512023-11 (PCBS) - cannot run lower, dilution made in Extractions



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Tax I.D. 62-0814289

Est. 1970

# REPORT OF ANALYSIS

Mike Dustman  
Family Env. Compliance Services, Inc  
600 East 8th Street, Suite B  
Kansas City, MO 64106

April 23, 2011

Date Received : April 20, 2011  
Description : KCMO - KCSD ESA Project

Sample ID : WPH-3

Collected By : Mike Dustman  
Collection Date : 04/19/11 17:42

ESC Sample # : L512023-12

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polychlorinated Biphenyls						
PCB 1016	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1221	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1232	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1242	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1248	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1254	BDL	0.085	mg/kg	8082	04/21/11	5
PCB 1260	BDL	0.085	mg/kg	8082	04/21/11	5
PCBs Surrogates						
Decachlorobiphenyl	28.2		% Rec.	8082	04/21/11	5
Tetrachloro-m-xylene	37.7		% Rec.	8082	04/21/11	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: Printed: 04/23/11 15:52

L512023-12 (PCBS) - cannot run lower, dilution made in Extractions



Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L512023-01	WG531841	SAMP	Decachlorobiphenyl	R1659673	J1
	WG531841	SAMP	Tetrachloro-m-xylene	R1659673	J1
L512023-03	WG531841	SAMP	Decachlorobiphenyl	R1659673	J1
	WG531841	SAMP	Tetrachloro-m-xylene	R1659673	J1
L512023-10	WG531841	SAMP	Decachlorobiphenyl	R1659673	J2
L512023-11	WG531841	SAMP	Decachlorobiphenyl	R1659673	J2

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
04/23/11 at 15:52:04

TSR Signing Reports: 206  
R3 - Rush: Two Day

Sample: L512023-01 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-02 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-03 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-04 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-05 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-06 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-07 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-08 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-09 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-10 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-11 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.  
Sample: L512023-12 Account: FAMENVKMO Received: 04/20/11 09:00 Due Date: 04/22/11 00:00 RPT Date:  
Sample is caulk.



YOUR LAB OF CHOICE

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Mike Dustman  
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Kansas City, MO 64106

Quality Assurance Report  
Level II

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L512023

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
PCB 1016	< .017	mg/kg			WG531841	04/22/11 15:28
PCB 1221	< .017	mg/kg			WG531841	04/22/11 15:28
PCB 1232	< .017	mg/kg			WG531841	04/22/11 15:28
PCB 1242	< .017	mg/kg			WG531841	04/22/11 15:28
PCB 1248	< .017	mg/kg			WG531841	04/22/11 15:28
PCB 1254	< .017	mg/kg			WG531841	04/22/11 15:28
PCB 1260	< .017	mg/kg			WG531841	04/22/11 15:28
Decachlorobiphenyl		% Rec	93.02	18.9-115.8	WG531841	04/22/11 15:28
Tetrachloro-m-xylene		% Rec.	76.22	31.8-115.7	WG531841	04/22/11 15:28

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
PCB 1016	mg/kg	.167	0.119	71.0	70-130	WG531841
PCB 1260	mg/kg	.167	0.137	82.2	62-131	WG531841
Decachlorobiphenyl				92.61	18.9-115.8	WG531841
Tetrachloro-m-xylene				70.97	31.8-115.7	WG531841

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
PCB 1016	mg/kg	0.120	0.119	72.0	70-130	1.57	25	WG531841
PCB 1260	mg/kg	0.135	0.137	81.0	62-131	1.95	22	WG531841
Decachlorobiphenyl				83.87	18.9-115.8			WG531841
Tetrachloro-m-xylene				71.85	31.8-115.7			WG531841

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
PCB 1016	mg/kg	0.123	0	.167	73.6	70-130	L505721-01	WG531841
PCB 1260	mg/kg	0.134	0	.167	80.0	10-139	L505721-01	WG531841
Decachlorobiphenyl					75.14	18.9-115.8		WG531841
Tetrachloro-m-xylene					75.94	31.8-115.7		WG531841

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
PCB 1016	mg/kg	0.119	0.123	71.2	70-130	3.20	25	L505721-01	WG531841
PCB 1260	mg/kg	0.133	0.134	79.4	10-139	0.804	39	L505721-01	WG531841
Decachlorobiphenyl				75.56	18.9-115.8				WG531841
Tetrachloro-m-xylene				76.56	31.8-115.7				WG531841

Batch number /Run number / Sample number cross reference

WG531841: R1659673: L512023-01 02 03 04 05 06 07 08 09 10 11 12

\* \* Calculations are performed prior to rounding of reported values.

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Kansas City, MO 64106

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Level II

L512023

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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address  <b>Family Environmental</b> <b>Compliance Services, Inc.</b> <b>600 E. 8th Street, Suite B</b> <b>Kansas City, MO 64106</b>				Alternate Billing Mike Dustman 600 E. 8th St., STE B KCMO 64106  Report to: Mike Dustman E-mail to:				Analysis/Container/Preservative <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PCB in Caulk</div> <div> <table border="1" style="width:100%; height: 150px;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> </div> </div>																																																																				Chain of Custody Page ___ of ___  Prepared by: <b>A069</b>  <b>ENVIRONMENTAL Science corp</b> 12065 Lebanon Road Mt. Juliet TN 37122  Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859			
Project Description: <b>KCMO-KCSD ESA Project</b>				City/State: <b>KC, MO</b>				CoCode (lab use only) <b>FAMENVKMO</b> Template/Prelogin Shipped Via: Kansas City Service Center																																																																							
PHONE: <b>816-527-2101</b> FAX: <b>816-527-2118</b>		Client Project No.		Lab Project #																																																																											
Collected by: <b>Mike Dustman</b> Collected by (Signature):		Site/Facility ID#		P.O.#																																																																											
Packed on Ice <input checked="" type="checkbox"/>		<b>Rush?</b> (Lab MUST be Notified) <input type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input checked="" type="checkbox"/> Two Day.....50%		Date Results Needed: <b>4/22/11</b> Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input type="checkbox"/> No <input type="checkbox"/> Yes																																																																											
Sample ID		Comp/Grab		Matrix		Depth						Date		Time		Cntrs																																																															
Mar-1		Grab		SS		N/A		4/19/11		1655		1																																																																			
Rob-1										1630		1																																																																			
Rob-2										1634		1																																																																			
Rob-3										1638		1																																																																			
Rob-4										1639		1																																																																			
Ecole-1										1715		1																																																																			
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\*Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Remarks: **Pricing - Per Wes Vance**

Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquisher by: (Signature)		Date: <b>4/19/11</b>		Time: <b>1730</b>		Received by: (Signature)		Samples returned via: FedEx <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Other _____		Condition (lab use only)	
Relinquisher by: (Signature)		Date:		Time:		Received by: (Signature)		Sample # <b>434198067300</b>		Bottles Received:	
Relinquisher by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date: <b>4/20/11</b>		Time: <b>0900</b>	
										pH Checked: <b>COAST</b> NCF: <input checked="" type="checkbox"/>	

