

# **HAZARDOUS MATERIALS SURVEY REPORT**

## **Eastern State Hospital Building 3**

**4601 Ironbound Rd Williamsburg Virginia 23188**

Prepared for:

**City of Williamsburg, James City  
County, York County Coalition and Hope  
Family Village**

**Report Date: April 18, 2023**

Prepared By:



140 South Village Avenue Exton Pennsylvania USA

TRC Project:

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## EXECUTIVE SUMMARY

The City of Williamsburg, James City County, York County Coalition and Hope Family Village retained TRC Environmental (TRC) to conduct a hazardous materials survey at Eastern State Hospital Building 3 located on the hospital campus in Williamsburg Virginia. The scope of work included an asbestos survey to determine asbestos containing building materials, testing of painted building component surfaces via an X-Ray fluorescence analyzer (XRF) to determine lead content, conducting a hazardous materials inventory to identify universal and/or hazardous wastes, and the collection of building caulks to be analyzed for polychlorinated biphenyls (PCBs). The survey activities were performed from March 6 to March 9, 2023 by United States Environmental Protection Agency (EPA) accredited asbestos and lead building inspectors.

### Asbestos Sample Results

Analysis determined that the following sampled building materials are asbestos-containing materials (ACM):

- Heating pipe fitting/elbow insulation (throughout building)
- Brown 12" x 12" floor tile and mastic (lower level server/computer room)
- Light fixture heat shields (throughout building)
- Fire door insulation (lower level entryways)
- Two types of door caulk (lower level interior and all perimeter doors)
- Roof material debris - <1.0% asbestos (throughout on topside of drop ceiling)
- Domestic pipe fitting/elbow insulation – Assumed ACM (restroom pipe chases).

ACM is defined by the Occupational Safety and Health Administration (OSHA) as any material containing greater than one percent (>1.0%) asbestos. The asbestos sample results are summarized in the **Asbestos Survey Methods and Results** section of this report.

Prior to demolition, all asbestos-containing materials should be removed from the building by a licensed asbestos abatement contractor, and should be handled, stored, and disposed of according to all local, state, and federal regulations. Any materials encountered during renovation or demolition activities that are not identified in this inspection report, must be assumed to contain asbestos or must be sampled by an EPA accredited asbestos inspector to determine asbestos content.

### X-Ray Fluorescence (XRF) Paint Assessment Lead Test Results

An Olympus Vanta X-Ray Fluorescence Analyzer (XRF) was employed for the paint assessment. When an XRF analyzer is used to test paint for lead content, the EPA considers concentrations greater than or equal to 1.0 milligrams per square centimeter (mg/cm<sup>2</sup>) to be lead based paint (LBP). If the concentration of lead is greater than zero but less than 1.0 mg/cm<sup>2</sup>, the paint is classified as lead containing paint (LCP). OSHA does not set a minimum threshold concentration defining lead content in paint/coatings. Any paint with a concentration greater than zero is considered to be lead containing, and certain requirements of the OSHA standard 29 CFR 1926.62 would apply.

Thirty-one (31) of the seventy-seven (77) painted surfaces had detectable concentrations of lead. Six (6) of the painted components had concentrations above 1.0 mg/cm<sup>2</sup> and are classified as LBP. Twenty-five (25) of the of the tested component paints had concentrations greater than zero

but less than 1.0 mg/cm<sup>2</sup> and are classified as LCP. Based on the survey results, the OSHA standard 29 CFR 1926.62 requirements for contractor training and work practices is applicable. The XRF lead test results and associated components are summarized in the **Lead Survey Methods and Results** section of this report.

#### Other Regulated and Hazardous Materials Inventory

The following items were identified in the inventoried areas:

- Fluorescent light tubes (potential mercury) and light fixture ballasts (potential PCBs)
- HID and emergency lights (potential heavy metals)
- Fire extinguishers (potential refrigerants and chemicals)
- Thermostats and pull-down fire alarms (potential mercury)
- Computer equipment (potential heavy metals)
- Battery packs (potential heavy metals and acids)
- Exit signs (potential heavy metals and radioisotopes)
- Miscellaneous aerosols, cleaning supplies, disinfectants and solvents
- Compressed gas cylinders (O<sub>2</sub>)
- Air conditioners, water fountains and retail floor coolers (potential refrigerants)
- Transformers (potential PCBs).

Light ballasts manufactured prior to January 1, 1978 or ballasts that are not labeled “No PCBs” must be considered PCB containing unless testing proves otherwise. Materials identified in this inventory that are scheduled for disposal or recycling should be managed in accordance with applicable local, state and federal waste disposal and recycling regulations and requirements. The hazardous materials and locations identified in this inventory are summarized in the **Hazardous Materials** section of this report.

#### Polychlorinated Biphenyl (PCB) Containing Paints and Caulks

Two types of roof sealant and three types of caulk were sampled and submitted for analysis to determine PCB content. Results of laboratory analysis indicated that detectable levels of PCBs were present in four (4) of the five (5) sampled materials. The **exterior panel caulk** (sample PCB-3) was the only sampled material with a PCB concentration above the Toxic Substances Control Act (TSCA) limit of 50 parts per million (ppm) or 50 milligrams per kilogram (mg/kg). The removal, clean-up, storage and disposal of this material should be managed in accordance with EPA Regulation 40 CFR 761.61 and 62. The sample results and material descriptions are summarized in the **PCB Sampling Methods and Results** section of this report.

**\*\* End of Executive Summary \*\***

## INTRODUCTION

The City of Williamsburg, James City County, York County Coalition and Hope Family Village retained TRC Environmental (TRC) to conduct a hazardous materials survey at Eastern State Hospital Building 3 located on the hospital campus in Williamsburg Virginia. The scope of work included an asbestos survey to determine asbestos containing building materials, testing of painted/coated building component surfaces via an X-Ray fluorescence analyzer (XRF) to determine lead content, conducting a hazardous materials inventory to identify universal wastes, and the collection of building caulks to be analyzed for polychlorinated biphenyls (PCBs). The survey activities were performed from March 6 to March 9, 2023 by United States Environmental Protection Agency (EPA) accredited asbestos and lead building inspectors. Inspector certifications are included in **Attachment 1**.

### Asbestos Survey Methods and Results

The asbestos survey was conducted in accordance with the sample collection protocols established in 40 CFR 763 (AHERA). OSHA defines asbestos-containing material (ACM) as any material containing more than one percent asbestos. The survey entailed the following activities:

- Identifying suspect asbestos containing material
- Collecting multiple samples of each suspect material
- Submitting the samples via proper chain of custody requirements to an NVLAP certified laboratory for analysis to determine asbestos content
- Estimating the quantity and assessing the condition of the suspect materials.

Bulk samples were analyzed by polarized light microscopy in accordance with EPA Method 600/R-93/116. Gravimetric reduction was employed for analysis of the non-friable materials. TRC's Industrial Hygiene Laboratory located in Windsor, Connecticut performed the analysis. The TRC laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and by the American Industrial Hygiene Association (AIHA). The asbestos laboratory analytical report is presented in **Attachment 2**. The suspect asbestos materials photo log and Sample location drawing are included in **Attachments 3 and 4 respectively**. Sample results are summarized in the table below.

Asbestos Sample Results Eastern State Hospital Building 3 Williamsburg, Virginia					
Samples	Material Description	Location	Result % Asbestos	Approx. Quantity	Condition
CC-1-CC-3	Concrete	Throughout	NAD	17,000 SF	Good
CFIT-1-2	Cold Water Pipe Fitting Insulation	Boiler Area	NAD	12 Each	Good
<b>HFIT-1-4</b>	<b>Heating Pipe Fitting Insulation</b>	<b>Throughout</b>	<b>5.0% Chrysotile</b>	<b>280 Each</b>	<b>Good / Friable</b>

<b>Asbestos Sample Results                      Eastern State Hospital Building 3                      Williamsburg, Virginia</b>					
<b>Samples</b>	<b>Material Description</b>	<b>Location</b>	<b>Result % Asbestos</b>	<b>Approx. Quantity</b>	<b>Condition</b>
<b>DFIT</b>	<b>Domestic Water Pipe Fitting Insulation</b>	<b>Restroom Pipe Chases</b>	<b>Assumed Positive</b>	<b>40 Each</b>	<b>Fair / Friable</b>
EC-1-EC-4	Pipe End Sealant	Boiler Area	NAD	15 SF	Good
CTS-1-CTS-3	Ceiling Tile w/ Pinholes and Gouges	Throughout	NAD	7,700 SF	Good
CTL-1-CTL-3	Ceiling Tile w/ Pinholes and Fissures	Throughout	NAD	7,700 SF	Good
CTX-1-CTX-4	Ceiling Tile w/ Deep Fissures and Pink Backing	Upper Level	NAD	3,667 SF	Good
WB-1-WB-3	Sheetrock	Throughout	NAD	NQ	Good
JC-1-JC-3	Joint Compound	Throughout	NAD	NQ	Good
CB-1-CB-3	Cove Base and Adhesive	Throughout	NAD	2,000 SF	Good
FT-1-FT-3	12"x12" Tan Floor Tile w/ Yellow Adhesive	Throughout	NAD	15,000 SF	Good
<b>BFT-1-BFT-3</b>	<b>12"x12" Brown Floor Tile w/ Black Mastic</b>	<b>Lower Level Server Room</b>	<b>Mastic-7.5% Tile-3.4% Chrysotile</b>	<b>140 SF</b>	<b>Good / Non-friable</b>
CM-1-CM-3	Black/Yellow Carpet Glue	Throughout	NAD	13,500 SF	Good
WS-1-WS-3	Window Sill	Throughout at Windows	NAD	100 SF	Good
CMU-1-CMU-3	Concrete Block and Mortar	Throughout	NAD	NQ	Good

<b>Asbestos Sample Results                      Eastern State Hospital Building 3                      Williamsburg, Virginia</b>					
<b>Samples</b>	<b>Material Description</b>	<b>Location</b>	<b>Result % Asbestos</b>	<b>Approx. Quantity</b>	<b>Condition</b>
<b>HS-1-HS-3</b>	<b>Silver/White Light Fixture Heat Shield</b>	<b>Throughout</b>	<b>60% Chrysotile</b>	<b>20 SF</b>	<b>Good / Friable</b>
<b>DFC-1-DFC-3</b>	<b>White Interior Door Caulk</b>	<b>Throughout</b>	<b>4.0% Chrysotile</b>	<b>500 LF</b>	<b>Good / Friable</b>
BT-1-BT-3	Yellow Ceramic Tile	Throughout Restrooms	NAD	1,800 SF	Good
TG-1-TG-3	Tile Grout (yellow tile)	Throughout Restrooms	NAD	1,800 SF	Good
WTG-1-WTG-3	White Ceramic Tile and Grout	Throughout Restrooms	NAD	4,000 SF	Good
<b>FDI-1-FD-2</b>	<b>Fire Door Insulation</b>	<b>Lower Level Entryways</b>	<b>20% Chrysotile</b>	<b>100 SF</b>	<b>Good / Friable</b>
SC-1-SC-3	White Sink Undercoat	Lower Level Break Room	NAD	8 SF	Good
BM-1-BM-3	Red Brick and White Mortar	Throughout Interior and Exterior	NAD	NQ	Good
LC-1-LC-3	Brown Leveling Compound	Throughout	NAD	16,000 SF	Good
VDC-1-VDC-3	Black Vibration Damper Coating	Upper Level Ductwork	NAD	20 SF	Good
STA-1-STA-3	Stair Tread Adhesive	Link between Upper and Lower Levels	NAD	100 SF	Good
<b>RD-1-RD-3</b>	<b>Black Roofing Debris top of Drop Ceiling</b>	<b>Throughout</b>	<b>Trace 0.07-0.09% Chrysotile</b>	<b>12,000 SF</b>	<b>Poor / Non-friable</b>

<b>Asbestos Sample Results                      Eastern State Hospital Building 3                      Williamsburg, Virginia</b>					
<b>Samples</b>	<b>Material Description</b>	<b>Location</b>	<b>Result % Asbestos</b>	<b>Approx. Quantity</b>	<b>Condition</b>
PL-1-PL-4	White Ceiling Plaster	Upper Level Restrooms, Foyers, Interior and Exterior Overhangs	NAD	1,000 SF	Good
RF-1A-RF-1C	Roof Field	Upper Roof	NAD	11,800 SF	Good
RFL-2A -RFL-2C	Roof Flashing	Upper Roof	NAD	2,400 SF	Good
RSS-3A -RSS-3C	Roof Seam Sealant	Upper and Lower Roofs	NAD	800 LF	Good
US-4A-US-4C	White Roof Unit Sealant	Upper Roof	NAD	250 SF	Good
VC-5A-VC-5C	White Roof Vent Caulk	Upper Roof	NAD	20 LF	Good
WP-6A-WP-6C	Roof Walking Pad	Upper Roof and Lower Roofs	NAD	400 SF	Good
RF-7A-RF-7C	Roof Field	Lower Roof	NAD	5,200 SF	Good
RFL-8A -RFL-8C	Roof Flashing	Lower Roof	NAD	1,000 SF	Good
VC-9A-VC-9C	Grey Roof Vent Caulk	Lower Roof	NAD	10 LF	Damaged.
VC-10A -VC-10C	Black Roof Vent Caulk	Lower Roof	NAD	20 LF	Good



Asbestos Sample Results Eastern State Hospital Building 3 Williamsburg, Virginia					
Samples	Material Description	Location	Result % Asbestos	Approx. Quantity	Condition
PNL-1A -PNL-10C	Black Exterior Panels (at Windows)	Building Exterior	NAD	3,000 SF	Good
PCLK-2A -PCLK-2C	Black Panel Caulk	Building Exterior	NAD	1,000 LF	Good
WCLK-3A -WCLK-3C	White Window Caulk	Building Exterior	NAD	3,300 LF	Good
<b>DCLK-4A -DCLK-4C</b>	<b>Tan/White Exterior Door Caulk</b>	<b>Building Exterior</b>	<b>2.6% Chrysotile</b>	<b>200 LF</b>	<b>Good / Non-friable</b>

NAD = No asbestos detected  
 CH = Chrysotile Asbestos  
 Assumed = Material assumed to contain asbestos

Lead Survey Methods and Results

The lead survey was performed in accordance survey and risk assessment protocols in EPA Standard 40 CFR Part 745 and TSCA Sections 402/404. An Olympus Vanta X-Ray Fluorescence Analyzer (XRF) was employed for the paint assessment. When an XRF analyzer is used to test paint for lead content, the EPA considers concentrations greater than or equal to 1.0 milligrams per square centimeter (mg/cm<sup>2</sup>) to be LBP. If the concentration of lead is greater than zero but less than 1.0 mg/cm<sup>2</sup>, the paint is classified as LCP. OSHA does not set a minimum threshold concentration defining lead content in paint. Any paint with a concentration greater than zero is considered to be lead containing, and certain requirements of the OSHA Standard 29 CFR 1926.62 would apply. The lead survey photo log is presented in **Attachment 5**. The XRF lead testing results are summarized in the table below.

XRF Lead Test Results Eastern State Hospital Building 3 Assessment								
XRF #	Component	Substrate	Side	Paint Condition	Color	Sample Location	mg/cm <sup>2</sup>	Result*
2	Boiler	Metal	NA	Intact	Gray	Boiler Casing	<0.002	ND
3	Generator	Steel	NA	Intact	Tan	Motor Casing	0.11	LCP
4	Generator	Metal	NA	Intact	Green	Belt Casing	0.02	LCP
5	Generator	Metal	NA	Intact	Tan	Fan Casing	0.004	LCP
6	Water Heater	Metal	NA	Intact	Brown	Heater Casing	<0.002	ND
7	Water Heater	Metal	NA	Intact	Gray	Not Indicated	<0.002	ND
8	Circulating Pump	Steel	NA	Intact	Gray	Pump	0.012	LCP
9	Circulating Pump	Steel	NA	Intact	Gray	Motor Cover	<0.002	ND
10	Flash Tank	Steel	NA	Fair	Gray	Tank Casing	<0.002	ND
11	Air Compressor	Steel	NA	Intact	Gray	Tank	0.11	LCP

XRF Lead Test Results Eastern State Hospital Building 3 Assessment								
XRF #	Component	Substrate	Side	Paint Condition	Color	Sample Location	mg/cm <sup>2</sup>	Result*
12	Air Compressor	Steel	NA	Intact	Gold	Motor	<0.002	ND
13	Air Compressor	Steel	NA	Intact	Blue	Oil Well	<0.002	ND
14	Air Compressor	Metal	NA	Intact	Blue	Mount	<0.002	ND
15	Air Compressor	Metal	NA	Intact	Gray	Filter Cover	0.05	LCP
16	Electrical Box	Metal	NA	Intact	Gray	Casing	<0.002	ND
17	Electrical Box	Metal	NA	Intact	Light gray	Casing	0.01	LCP
18	Electrical Panel	Metal	NA	Intact	Gray	Casing	<0.002	ND
19	Door	Metal	NA	Poor	Red	Door	0.02	LCP
20	Door Jam	Metal	NA	Poor	Red	Jamb	0.02	LCP
21	Wall	CMU	NA	Intact	Light blue	Lower Section North	<0.002	ND
22	Wall	CMU	NA	Intact	White	Lower Section North	<0.002	ND
23	Door	Wood	NA	Intact	Varnish	Lower Section North	<0.002	ND
24	Door Jam	Metal	NA	Intact	Beige	Lower Section North	<0.002	ND
25	Window Casing	Wood	NA	Intact	Beige	Lower Section North	0.019	LCP
26	Ceiling	Drywall	NA	Intact	White	Lower Section North	<0.002	ND
27	Structural Beam	Steel	NA	Intact	Red	Lower Section North	<0.002	ND
28	Door	Metal	NA	Intact	Red	Lower Section North	0.027	LCP
29	Door Jam	Metal	NA	Intact	Red	Lower Section North	0.022	LCP
30	Floor	Concrete	NA	Fair	Red	Lower Section North	<0.002	ND
31	Floor Hatch	Steel	NA	Intact	Red	Lower Section North	<0.002	ND
32	Closet	Wood	NA	Intact	White	Lower Section North	<0.002	ND
33	Ceiling Grid	Metal	NA	Intact	Beige	Lower Section North	<0.002	ND
34	Floor	Concrete	NA	Fair	Gray	Lower Section North	0.009	LCP
35	Stair Tread	Concrete	NA	Intact	Gray	Lower Section North	0.006	LCP
36	Stair Riser	Steel	NA	Intact	Black	Lower Section North	3.0	LBP
37	Stair Stringer	Steel	NA	Intact	Black	Lower Section North	5.0	LBP
38	Wall	CMU	NA	Intact	White	Lower Section East	<0.002	ND
39	Door	Wood	NA	Intact	Varnish	Lower Section East	<0.002	ND
40	Door Jam	Metal	NA	Intact	White	Lower Section East	0.016	LCP
41	Window Casing	Wood	NA	Intact	White	Lower Section East	0.01	LCP
42	Wall	CMU	NA	Intact	Orange	Lower Section East	<0.002	ND
43	Ceiling Black Iron	Metal	NA	Fair	Black	Lower Section East	<0.002	ND
44	Structural Steel Beam	Steel	NA	Intact	Red	Lower Section East	<0.002	ND
45	Ceiling Grid	Metal	NA	Intact	White	Lower Section East	<0.002	ND
46	Window Casing	Metal	NA	Intact	White	Lower Section West	<0.002	ND
47	Door	Wood	NA	Intact	Varnish	Lower Section West	<0.002	ND
48	Door Jam	Metal	NA	Intact	White	Lower Section West	0.008	LCP
49	Ceiling	Drywall	NA	Intact	White	Lower Section West	<0.002	ND
50	Structural Steel Beam	Steel	NA	Intact	Red	Lower Section West	<0.002	ND
51	Floor	Ceramic tile	NA	Intact	Orange	Lower Section North	<0.002	ND
52	Wall	Ceramic tile	NA	Intact	Light blue	Lower Level North	0.007	LCP
53	Floor	Ceramic tile	NA	Intact	Tan	Lower Section East	<0.002	ND
54	Wall	Ceramic tile	NA	Intact	Light blue	Not Indicated	0.016	LCP
55	Stair Hand Rail Post	Steel	NA	Intact	Black	Lower Section North	5.0	LBP

XRF Lead Test Results Eastern State Hospital Building 3 Assessment								
XRF #	Component	Substrate	Side	Paint Condition	Color	Sample Location	mg/cm <sup>2</sup>	Result*
56	Stair Hand Rail	Steel	NA	Intact	Black	Lower Level North	4.6	LBP
57	Wall	CMU	NA	Intact	White	Upper Section North	<0.002	ND
58	Door	Metal	NA	Intact	White	Upper Section North	<0.002	ND
59	Door Jam	Metal	NA	Intact	White	Upper Level North	<0.002	ND
60	Wall	CMU	NA	Intact	White	Upper Level North	<0.002	ND
61	Unit Ventilator	Metal	NA	Intact	White	Upper Level North	<0.002	ND
62	Door	Wood	NA	Intact	Varnish	Upper Level North	<0.002	ND
63	Wall	CMU	NA	Intact	Pink	Upper Level North	0.22	LCP
64	Wall	CMU	NA	Intact	Blue	Upper Level North	<0.002	ND
65	Floor	Ceramic tile	NA	Intact	Blue	Upper Level North Restroom	<0.002	ND
66	Wall	Ceramic tile	NA	Intact	White	Upper Level North Restroom	0.015	LCP
67	Wall	Ceramic tile	NA	Intact	Black	Upper Level North Restroom	5.0	LBP
68	Wall	CMU	NA	Intact	White	Upper Level South	<0.002	ND
69	Door	Wood	NA	Intact	Varnish	Upper Level South	<0.002	ND
70	Door Jam	Metal	NA	Intact	White	Upper Level South	0.019	LCP
71	Unit Ventilator	Metal	NA	Intact	White	Upper Level South	<0.002	ND
72	Ceiling Grid	Metal	NA	Intact	Tan	Upper Level South	<0.002	ND
73	Structural Steel Beam	Steel	NA	Intact	Red	Upper Section North	0.008	LCP
74	Structural Steel Beam	Steel	NA	Intact	Red	Upper Section North	<0.002	ND
75	Exterior Lamp	Steel	NA	Intact	Black	Exterior	3.9	LBP
76	Exterior Stair Railing	Steel	NA	Intact	White	Exterior	0.45	LCP
77	Door Exterior Side	Metal	NA	Fair	Red	Exterior	<0.002	ND
78	Exterior Side Door Frame	Metal	NA	Fair	Red	Exterior	0.025	LCP

ND = No Lead Detected

LCP = Lead-containing Paint (> 0.0 < 1.0 mg/cm<sup>2</sup>)

LBP = Lead-based Paint (= or > than 1.0 mg/cm<sup>2</sup>)

### Other Regulated and Hazardous Materials Inventory

The hazardous materials inventory entailed collecting information on the type, location, and quantity of hazardous materials contained in building equipment or stored in the building that would have to be disposed of or recycled prior to commencing renovation and/or demolition activities. The materials identified during the survey are classified in the universal or hazardous waste categories. Materials that are scheduled for disposal or recycling should be managed in accordance with applicable local, state and federal waste disposal and recycling regulations prior to the demolition of the building. The hazardous materials inventory photo log is included in **Attachment 6**. The materials identified in the inventory are summarized in the table below.

Hazardous Materials Inventory Eastern State Hospital Building 3 Williamsburg Virginia			
Location	Material Type	Description	Quantity
Boiler Area	Potential Heavy Metals (mercury)	Fluorescent Light Tubes (universal waste)	8

<b>Hazardous Materials Inventory                      Eastern State Hospital Building 3                      Williamsburg Virginia</b>			
<b>Location</b>	<b>Material Type</b>	<b>Description</b>	<b>Quantity</b>
Boiler Area	Potential PCBs	Light Fixture Ballasts (universal waste)	4
Boiler Area	Potential Refrigerants and/or Chemicals	Fire Extinguisher (potential hazardous waste)	1
Boiler Area	Miscellaneous	Electrical Components (universal waste)	15
Boiler Area	Potential Heavy Metals (mercury)	Thermostats (universal waste)	1
Lower Level	Potential Heavy Metals (mercury)	Fluorescent Light Tubes (universal waste)	166
Lower Level	Potential PCBs	Light Fixture Ballasts (universal waste)	83
Lower Level	Miscellaneous	Computers (universal waste)	15
Lower Level	Potential Heavy Metals	Battery packs (universal waste)	20
Lower Level	Potential Heavy Metals and/or Radio Isotopes (tritium gas)	Exit Signs (potential hazardous waste)	3
Lower Level	Potential Refrigerants and/or Chemicals	Fire Extinguisher (potential hazardous waste)	2
Lower Level	Potential Heavy Metals (mercury)	Fluorescent Light Tubes (universal waste)	9
Lower Level	Miscellaneous	Aerosols (universal waste)	25 Cans
Lower Level	Miscellaneous	Cleaning Supplies (universal waste)	9 Containers
Lower Level	Miscellaneous	Solvents (universal waste)	4 Bottles
Lower Level	Miscellaneous	Compressed Gas Cylinders - O <sub>2</sub> (universal waste)	4
Lower Level	Potential Refrigerants	Air Conditioner (potential hazardous waste)	1
Lower Level	Potential PCBs	Transformer (potential hazardous waste)	1
Upper level	Potential Heavy Metals (mercury)	Fluorescent Light Tubes (universal waste)	560
Upper level	Potential PCBs	Light Fixture Ballasts (universal waste)	280
Upper level	Potential Heavy Metals and/or Radio Isotopes (tritium gas)	Exit Signs (potential hazardous waste)	7
Upper level	Potential Heavy Metals (mercury)	Thermostats (universal waste)	30
Upper level	Potential Heavy Metals	Security System and Alarm Batteries	
Upper level	Potential Refrigerants and/or Chemicals	Fire Extinguisher (potential hazardous waste)	7
Upper level	Potential Refrigerants	Water Fountains (potential hazardous waste)	2
Upper level	Miscellaneous	Disinfectants (universal waste)	6 Bottles

<b>Hazardous Materials Inventory                      Eastern State Hospital Building 3                      Williamsburg Virginia</b>			
Location	Material Type	Description	Quantity
Upper level	Miscellaneous	Cleaning Supplies (universal waste)	25 Bottles
Upper level	Miscellaneous	Floor wax (universal waste)	5 Bottles
Upper level	Miscellaneous	Aerosols (universal waste)	6 Bottles
Upper level	Potential Refrigerants	Retail Floor Cooler (potential hazardous waste)	2
Building exterior	Potential Heavy Metals	HID Lamp	10
Building exterior	Potential Heavy Metals	Emergency Lighting System Batteries	5
Building exterior	Potential PCBs	Transformer (potential hazardous waste)	1
Building exterior	Potential Refrigerants	Air Conditioner (potential hazardous waste)	1

PCB Sampling Methods and Results

Two types of sealant and three types of caulk were sampled and submitted for analysis to determine the presence of PCBs. The **exterior panel caulk (sample PCB-3)** was the only sampled material with a PCB concentration above the Toxic Substances Control Act (TSCA) limit of 50 parts per million (ppm) or 50 milligrams per kilogram (mg/kg). The removal, clean-up, storage and disposal of this material should be managed in accordance with EPA Regulation 40 CFR 761.61 and 62.

The samples were analyzed by gas chromatography in accordance with EPA Method SW 846-8082A. EMSL Analytical Laboratories in Cinnaminson NJ performed the sample analysis. The EMSL laboratory analytical report and PCB sample photo log are presented in **Attachments 7 and 8** respectively. Sample results are summarized in the table below.

<b>PCB Sample Results                      Eastern State Hospital Building 3                      Williamsburg Virginia</b>				
Sample Number	Location	Description	Quantity	Result (mg/kg)
PCB-1	Upper and Lower Roofs	Black Roof Seam Sealant	800 LF	Reporting Limit – <b>0.96</b>  Aroclor 1016 – ND Aroclor 1221 – ND Aroclor 1232 – ND Aroclor 1242 – ND Aroclor 1248 – ND Aroclor 1254 – ND Aroclor 1260 – ND Aroclor 1262 – ND Aroclor 1268 – ND

PCB Sample Results Eastern State Hospital Building 3 Williamsburg Virginia				
Sample Number	Location	Description	Quantity	Result (mg/kg)
PCB-2	Upper Roof	White Roof Unit Sealant	250 SF	Reporting Limit – <b>0.25</b>  Aroclor 1016 – ND Aroclor 1221 – ND Aroclor 1232 – ND Aroclor 1242 – ND Aroclor 1248 – ND Aroclor 1254 – <b>1.4</b> Aroclor 1260 – ND Aroclor 1262 – ND Aroclor 1268 – ND
PCB-3	Exterior Panels at Windows	Exterior Panel Caulk	1,000 LF	Reporting Limit – <b>98</b>  Aroclor 1016 – ND Aroclor 1221 – ND Aroclor 1232 – ND Aroclor 1242 – ND Aroclor 1248 – ND Aroclor 1254 – <b>620</b> Aroclor 1260 – ND Aroclor 1262 – ND Aroclor 1268 – ND
PCP-4	Exterior Windows	Exterior Window Caulk	3,300 LF	Reporting Limit – <b>4.9</b>  Aroclor 1016 – ND Aroclor 1221 – ND Aroclor 1232 – ND Aroclor 1242 – ND Aroclor 1248 – ND Aroclor 1254 – <b>19</b> Aroclor 1260 – ND Aroclor 1262 – ND Aroclor 1268 – ND
PCB-5	Exterior Side of Door	Exterior door caulk	200 LF	Reporting Limit – <b>0.24</b>  Aroclor 1016 – ND Aroclor 1221 – ND Aroclor 1232 – ND Aroclor 1242 – ND Aroclor 1248 – ND Aroclor 1254 – <b>4.6</b> Aroclor 1260 – ND Aroclor 1262 – ND Aroclor 1268 – ND

## RECOMMENDATIONS

### Asbestos Containing Materials

Results of laboratory analysis confirmed asbestos was identified in multiple sampled building materials. If the materials are to be impacted during demolition and/or renovation activities a licensed Virginia asbestos abatement contractor should be retained prior to the commencement of demolition and/or renovation to perform the asbestos removal and disposal. Perimeter air monitoring during abatement activities and clearance air sampling following asbestos remediation are recommended. The removal and disposal of ACM must be conducted in accordance with all local, state, and federal regulations.

Any materials encountered during renovation or demolition activities that are not identified in this inspection report, must be assumed to contain asbestos or must be sampled by an EPA accredited asbestos inspector to determine asbestos content.

### Lead Containing Painted Surfaces

OSHA does not set a minimum threshold concentration defining lead content in paint. Any paint with a concentration greater than zero is considered to be lead containing, and certain requirements of the OSHA standard 29 CFR 1926.62 are applicable. As previously noted, thirty-one (31) of the seventy-seven (77) XRF tested painted/coated surfaces had detectable concentrations of lead. If the painted surfaces are to be impacted during renovation and/or demolition activities the following precautions are recommended:

- The on-site supervisor or workers performing demolition and/or renovation activities should have lead awareness training.
- Abrasive blasting, welding, cutting and/or torch cutting of lead containing painted surfaces should be avoided.
- If demolition and/or renovation tasks are expected to create lead air concentrations above the OSHA Permissible Exposure Limit of 50 micrograms per cubic meter ( $\mu\text{g}/\text{M}^3$ ), as an 8-hour time weighted average (8-hr. TWA), personal exposure monitoring should be conducted to determine appropriate respiratory protection.
- If lead contaminated waste is generated, a sample of the waste should be submitted for analysis by the Toxic Characteristic Leachate Procedure (TCLP) to determine waste classification and disposal.
- Disposal of lead waste generated during the project must be conducted in accordance with local, state and federal regulations.

### Other Regulated and Hazardous Materials

The materials identified during the inventory were in the Universal and Hazardous waste categories. Materials that are scheduled for disposal or recycling should be managed in accordance with applicable local, state and federal waste disposal and/or recycling regulations and requirements prior to the demolition of the building.

PCB Containing Caulks and Sealants

The **exterior panel caulk (sample PCB-3)** was the only sampled material with a PCB concentration above the Toxic Substances Control Act (TSCA) limit of 50 parts per million (ppm) or 50 milligrams per kilogram (mg/kg). The removal, clean-up, storage and disposal of this material should be managed in accordance with EPA Regulation 40 CFR 761.61 and 62.

**DISCLAIMER**

The content presented in this report is based on data collected during the site inspection and survey, review of pertinent regulations, requirements, guidelines and commonly followed industry standards, and information provided by Client, their clients, agents, and representatives.

The work has been conducted in an objective and unbiased manner and in accordance with generally accepted professional practice for this type of work. TRC believes the data and analysis to be accurate and relevant, but cannot accept responsibility for the accuracy or completeness of available documentation or possible withholding of information of other parties.

This hazardous materials survey report is designed to aid the property owner, architect, construction manager, general contractor, and asbestos abatement contractor in locating asbestos containing materials, lead containing paints, suspect PCB containing equipment and suspect mercury containing equipment. This report is not intended for, and may not be utilized as, a bidding document or as an abatement project specification document.

We appreciate the opportunity to provide The City of Williamsburg, James City County, York County Coalition and Hope Family Village with these hazardous material consulting services. If you should have any questions concerning the project please feel free to contact us at 609.234.5359 or 215.563.2339, respectively.

Sincerely,  
TRC Environmental Corporation



Antonio Conde  
EPA Accredited Asbestos Inspector



Frank DeLizio  
EPA Accredited Lead Inspector



Andre Steuer  
Project Manager  
EPA Accredited Asbestos Inspector



## **Attachments**

- Attachment 1 Inspector Certifications
- Attachment 2 Asbestos Laboratory Analytical Report
- Attachment 3 Asbestos Survey Photographic Log
- Attachment 4 Asbestos Sample Location Drawing
- Attachment 5 Lead Survey Photographic Log
- Attachment 6 Waste Inventory Photographic Log
- Attachment 7 PCB Laboratory Analytical Report
- Attachment 8 PCB Survey Photographic Log
- Attachment 9 Site Overview Photographic Log

## Attachment 1 – Inspector Certifications

# AEROSOL MONITORING & ANALYSIS, INC.

*This is to certify that*

## ANTONIO CONDE

*has met the attendance requirements and successfully completed  
the course entitled*

### 4-HOUR EPA ASBESTOS INSPECTOR REFRESHER

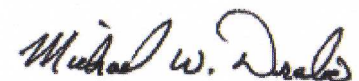
*For Accreditation Under TSCA Title II*

09/27/2022  
Course Date

09/27/2022  
Exam Date

9/27/2023  
Expiration Date

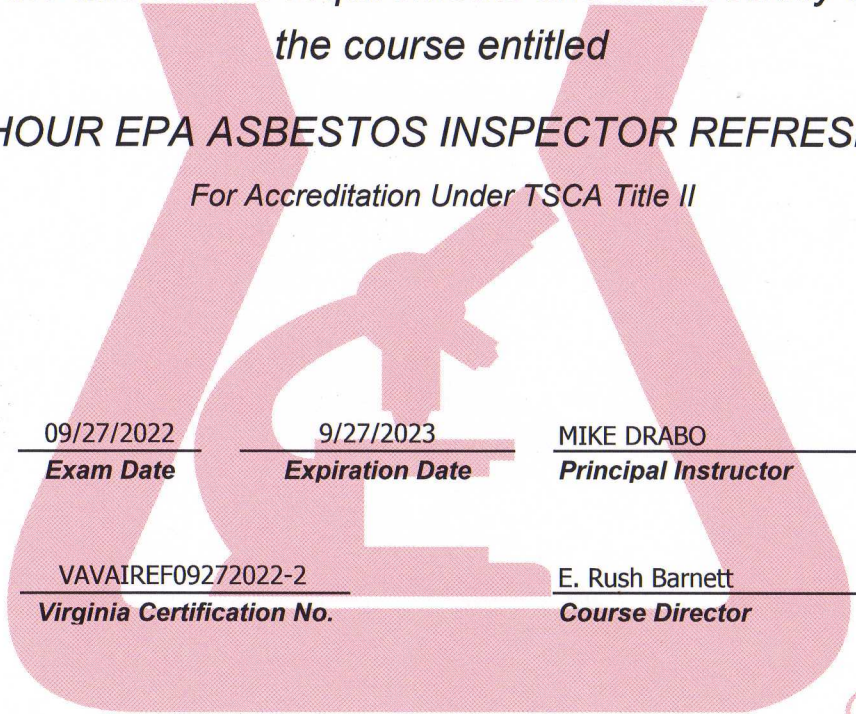
MIKE DRABO  
Principal Instructor



VAIREF09272022-2  
Certification No.

VAVAIREF09272022-2  
Virginia Certification No.

E. Rush Barnett  
Course Director



1331 Ashton Road

P.O.Box 646

Hanover, MD 21076

P: 410-684-3327

F: 410-684-3724

[www.amatraining.com](http://www.amatraining.com)

# Certificate of Completion

awarded to

**Frank DeLizio**

*for successfully completing the prescribed course of study in*

## **New Jersey Lead Inspector/Risk Assessor Refresher Housing and Public Buildings**

*in accordance with EPA, HUD, and NJDH Guidelines*

*presented by*

**ACCESS TRAINING SERVICES, INC.  
7921 River Road, Pennsauken, New Jersey 08110  
(856) 665-3449**

**1/19/22**

*Course Date*

**1/19/22**

*Exam Date*

**1/19/24**

*Expiration Date*

**Not Provided**

*Social Security Number*

**ACC-0122-18-001**

*Certificate Number*

**Mark K. Schlüger**  
*Training Director*

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
01-31-2023

NUMBER  
3303003090



BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS  
ASBESTOS INSPECTOR LICENSE

ANDRE PETER STEUER  
1308 BILLMYER MILL RD  
SHEPHERDSTOWN, WV 25443-0000



*Demetrios J. Mills*  
Demetrios J. Mills, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)



COMMONWEALTH of VIRGINIA  
Department of Professional and Occupational Regulation  
BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS  
ASBESTOS INSPECTOR LICENSE  
NUMBER: 3303003090 EXPIRES: 01-31-2023



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1308 BILLMYER MILL RD  
SHEPHERDSTOWN, WV 25443-0000

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-LIC (02/2017)

(DETACH HERE)

DPOR-PC (02/2017)

WEST VIRGINIA

Asbestos Program

Andre' P. Steuer

IS LICENSED AS AN  
ASBESTOS INSPECTOR

License #: A1010282  
Issued: 8/1/2022  
Expires: 8/31/2023



Director  
WV OEHS

*Merrilee A. Coal*

## Attachment 2 – Asbestos Laboratory Analytical Report



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: City of Williamsburg, VA

Lab Log #: 0061487  
 Project #: 017305.0000.0000  
 Date Received: 03/15/2023  
 Date Analyzed: 03/22/2023

Site: Eastern State Hospital Building 3, 4601 Ironbound Road, Williamsburg, VA

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
CC-1	Wall A	Grey Concrete	---	ND	None
CC-2	Floor	Grey Concrete	---	ND	None
CC-3	See Diagram	Grey Concrete	---	ND	None
CFIT-1	Cold water line	White Insulation, Pipe Elbows / Fittings	---	ND	None
CFIT-2	Cold water line	White Insulation, Pipe Elbows / Fittings	---	ND	None
HFIT-1	See Diagram	White Insulation, Pipe Elbows / Fittings	---	5%	Chrysotile
HFIT-2	See Diagram	--	--	NA/PS	--
HFIT-3	See Diagram	--	--	NA/PS	--
HFIT-4	See Diagram	--	--	NA/PS	--
EC-1	See Diagram	Grey/White Insulation, End Cap Insulation	---	ND	None
EC-2	See Diagram	Grey/White Insulation, End Cap Insulation	---	ND	None
EC-3	See Diagram	Grey/White Insulation, End Cap Insulation	---	ND	None
EC-4	See Diagram	Grey/White Insulation, End Cap Insulation	---	ND	None
CTS-1	See Diagram	White/Beige Ceiling Tile, 2' x 2'	60% cellulose 20% mineral wool	ND	None
CTS-2	See Diagram	White/Beige Ceiling Tile, 2' x 2'	60% cellulose 20% mineral wool	ND	None
CTS-3	See Diagram	White/Beige Ceiling Tile, 2' x 2'	60% cellulose 20% mineral wool	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387



**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
CTL-1	See Diagram	White/Beige Ceiling Tile, 2' x 2'	40% cellulose 40% mineral wool	ND	None
CTL-2	See Diagram	White/Beige Ceiling Tile, 2' x 2'	40% cellulose 40% mineral wool	ND	None
CTL-3	See Diagram	White/Beige Ceiling Tile, 2' x 2'	40% cellulose 40% mineral wool	ND	None
CTX-1	See Diagram	White/Beige Ceiling Tile, 2' x 2'	30% cellulose 60% mineral wool	ND	None
CTX-2	See Diagram	White/Beige Ceiling Tile, 2' x 2'	30% cellulose 60% mineral wool	ND	None
CTX-3	See Diagram	White/Beige Ceiling Tile, 2' x 2'	30% cellulose 60% mineral wool	ND	None
CTX-4	See Diagram	White/Beige Ceiling Tile, 2' x 2'	30% cellulose 60% mineral wool	ND	None
WB-1	See Diagram	Light Grey Wallboard, Gypsum	3% cellulose	ND	None
WB-2	See Diagram	Light Grey Wallboard, Gypsum	3% cellulose	ND	None
JC-1	See Diagram	White Joint Compound	---	ND	None
JC-2	See Diagram	White Joint Compound	---	ND	None
JC-3	See Diagram	White Joint Compound	---	ND	None
WB-3	See Diagram	Light Grey Wallboard, Gypsum	3% cellulose	ND	None
CB-1♣	See Diagram	LAYER 1 Tan Adhesive	---	ND	None
CB-1♣	See Diagram	LAYER 2 Black Cove Base	---	ND	None
CB-2♣	See Diagram	LAYER 1 Tan Adhesive	---	ND	None
CB-2♣	See Diagram	LAYER 2 Black Cove Base	---	ND	None
CB-3♣	See Diagram	LAYER 1 Tan Adhesive	---	ND	None
CB-3♣	See Diagram	LAYER 2 Black Cove Base	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**





**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
FT-1♣	See Diagram	LAYER 1 Yellow Adhesive	---	ND	None
FT-1♣		LAYER 2 Tan Vinyl Floor Tile, 12" x 12"	---	ND	None
FT-2♣	See Diagram	LAYER 1 Yellow Adhesive	---	ND	None
FT-2♣		LAYER 2 Tan Vinyl Floor Tile, 12" x 12"	---	ND	None
FT-3♣	See Diagram	LAYER 1 Yellow Adhesive	---	ND	None
FT-3♣		LAYER 2 Tan Vinyl Floor Tile, 12" x 12"	---	ND	None
BFT-1♣	Computer room	LAYER 1 Black Mastic	---	7.50%	Chrysotile
BFT-1♣		LAYER 2 Brown Vinyl Floor Tile, 12" x 12"	---	3.39%	Chrysotile
BFT-2	Computer room	--	--	NA/PS	--
BFT-2		--	--	NA/PS	--
BFT-3	Computer room	--	--	NA/PS	--
BFT-3		--	--	NA/PS	--
CM-1♣	See Diagram	Black/Yellow Carpet Glue	---	ND	None
CM-2♣	See Diagram	Black/Yellow Carpet Glue	---	ND	None
CM-3♣	See Diagram	Black/Yellow Carpet Glue	---	ND	None
WS-1♣	See Diagram	Black Window Sill	---	ND	None
WS-2♣	See Diagram	Black Window Sill	---	ND	None
WS-3♣	Basement	Black Window Sill	---	ND	None
CMU-1	See Diagram	LAYER 1 White Mortar	---	ND	None
CMU-1		LAYER 2 White CMU Block	---	ND	None
CMU-2	See Diagram	LAYER 1 White Mortar	---	ND	None
CMU-2		LAYER 2 White CMU Block	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0  
 RI #PLM0007 TX #300354  
 CO# AL-15020

AIHA-LAP,LLC #100122  
 VT #AL910359 LA#05011  
 PHIL# 461

CT #PH-0426  
 VA #3333 000283  
 PA#68-03387

ME LA-0075, LB-0071  
 AZ #A20944

MA #AA000052  
 HI #L-09-004

NY #10980 WV #000622  
 NJ #CT004 CA #2907



**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
CMU-3	See Diagram	LAYER 1 White Mortar	---	ND	None
CMU-3	See Diagram	LAYER 2 White CMU Block	---	ND	None
HS-1	See Diagram	Silver/White Light Fixture Heat Shield	20% cellulose	60%	Chrysotile
HS-2	See Diagram	--	--	NA/PS	--
HS-3	See Diagram	--	--	NA/PS	--
DFC-1♣	See Diagram	White Interior Door Caulk	---	4.04%	Chrysotile
DFC-2♣	See Diagram	--	--	NA/PS	--
DFC-3♣	See Diagram	--	--	NA/PS	--
BT-1	See Diagram	Yellow Ceramic Tile	---	ND	None
BT-2	See Diagram	Yellow Ceramic Tile	---	ND	None
BT-3	See Diagram	Yellow Ceramic Tile	---	ND	None
TG-1	See Diagram	Yellow/Grey Ceramic Tile Grout	---	ND	None
TG-2	See Diagram	Yellow/Grey Ceramic Tile Grout	---	ND	None
TG-3	See Diagram	Yellow/Grey Ceramic Tile Grout	---	ND	None
WTG-1	See Diagram	LAYER 1 Grey Grout	---	ND	None
WTG-1	See Diagram	LAYER 2 White Ceramic Tile	---	ND	None
WTG-2	See Diagram	LAYER 1 Grey Grout	---	ND	None
WTG-2	See Diagram	LAYER 2 White Ceramic Tile	---	ND	None
WTG-3	See Diagram	LAYER 1 Grey Grout	---	ND	None
WTG-3	See Diagram	LAYER 2 White Ceramic Tile	---	ND	None
FDI-1	See Diagram	White Fire Rated Door Insulation	---	20%	Chrysotile
FDI-2	See Diagram	--	--	NA/PS	--
SC-1♣	See Diagram	White Sink Undercoat	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

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 CO# AL-15020 PHIL# 461 PA#68-03387



**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
SC-2♣	See Diagram	White Sink Undercoat	---	ND	None
SC-3♣	See Diagram	White Sink Undercoat	---	ND	None
B&M-1	See Diagram	LAYER 1 White Mortar	---	ND	None
B&M-1		LAYER 2 Red Brick	---	ND	None
B&M-2	See Diagram	LAYER 1 White Mortar	---	ND	None
B&M-2		LAYER 2 Red Brick	---	ND	None
B&M-3	See Diagram	LAYER 1 White Mortar	---	ND	None
B&M-3		LAYER 2 Red Brick	---	ND	None
LC-1	See Diagram	Brown Leveling Compound	---	ND	None
LC-2	See Diagram	Brown Leveling Compound	---	ND	None
LC-3	See Diagram	Brown Leveling Compound	---	ND	None
VDC-1♣	See Diagram	Black Vibration Damper Coating	---	ND	None
VDC-2♣	See Diagram	Black Vibration Damper Coating	---	ND	None
VDC-3♣	See Diagram	Black Vibration Damper Coating	---	ND	None
STA-1♣	See Diagram	Colorless Stair Tread Adhesive	---	ND	None
STA-2♣	See Diagram	Colorless Stair Tread Adhesive	---	ND	None
STA-3♣	See Diagram	Colorless Stair Tread Adhesive	---	ND	None
RD-1♣	See Diagram	Black Roofing Debris	---	ND	None
RD-2♣	See Diagram	Black Roofing Debris	---	0.09%	Chrysotile
RD-3♣	See Diagram	Black Roofing Debris	---	0.07%	Chrysotile
PL-1	Upper level restroom	White Ceiling Plaster	---	ND	None
PL-2	Upper level foyer	White Ceiling Plaster	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0  
 RI #PLM0007 TX #300354  
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AIHA-LAP, LLC #100122 CT #PH-0426  
 VT #AL910359 LA#05011 VA #3333 000283  
 PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052  
 AZ #A20944 HI #L-09-004

NY #10980 WV #000622  
 NJ #CT004 CA #2907



**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
PL-3	Upper level foyer	White Ceiling Plaster	---	ND	None
PL-4	Exterior east foyer	White Ceiling Plaster	---	ND	None
RF-1A♣	Upper roof	LAYER 1 Black Roof Field	---	ND	None
RF-1A♣		LAYER 2 Light Brown/Black Roof Field	---	ND	None
RF-1A		LAYER 3 Yellow Roof Field	---	ND	None
RF-1B♣	Upper roof	LAYER 1 Black Roof Field	---	ND	None
RF-1B♣		LAYER 2 Light Brown/Black Roof Field	---	ND	None
RF-1B		LAYER 3 Yellow Roof Field	---	ND	None
RF-1C♣	Upper roof	LAYER 1 Black Roof Field	---	ND	None
RF-1C♣		LAYER 2 Light Brown/Black Roof Field	---	ND	None
RF-1C		LAYER 3 Yellow Roof Field	---	ND	None
RFL-2A♣	Upper roof	Black Roof Flashing	---	ND	None
RFL-2B♣	Upper roof	Black Roof Flashing	---	ND	None
RFL-2C♣	Upper roof	Black Roof Flashing	---	ND	None
RSS-3A♣	Upper roof	Black Roof Seam Sealant	---	ND	None
RSS-3B♣	Upper roof	Black Roof Seam Sealant	---	ND	None
RSS-3C♣	Upper roof	Black Roof Seam Sealant	---	ND	None
US-4A♣	Upper roof	White Roof Unit Sealant	---	ND	None
US-4B♣	Upper roof	White Roof Unit Sealant	---	ND	None
US-4C♣	Upper roof	White Roof Unit Sealant	---	ND	None
VC-5A♣	Upper roof	White Roof Vent Caulk	---	ND	None
VC-5B♣	Upper roof	White Roof Vent Caulk	---	ND	None
VC-5C♣	Upper roof	White Roof Vent Caulk	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

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 CO# AL-15020 PHIL# 461 PA#68-03387



**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
WP-6A	Upper roof	White Roof Walking Pad	---	ND	None
WP-6B	Upper roof	White Roof Walking Pad	---	ND	None
WP-6C	Upper roof	White Roof Walking Pad	---	ND	None
RF-7A♣	Lower roof	LAYER 1 Black Roof Field	---	ND	None
RF-7A♣		LAYER 2 Light Brown Roof Field	---	ND	None
RF-7A		LAYER 3 Yellow Roof Field	---	ND	None
RF-7B♣	Lower roof	LAYER 1 Black Roof Field	---	ND	None
RF-7B♣		LAYER 2 Light Brown Roof Field	---	ND	None
RF-7B		LAYER 3 Yellow Roof Field	---	ND	None
RF-7C♣	Lower roof	LAYER 1 Black Roof Field	---	ND	None
RF-7C♣		LAYER 2 Light Brown Roof Field	---	ND	None
RF-7C		LAYER 3 Yellow Roof Field	---	ND	None
RFL-8A♣	Lower roof	Black Roof Flashing	---	ND	None
RFL-8B♣	Lower roof	Black Roof Flashing	---	ND	None
RFL-8C♣	Lower roof	Black Roof Flashing	---	ND	None
VC-9A♣	Lower roof	Grey Roof Vent Caulk	---	ND	None
VC-9B♣	Lower roof	Grey Roof Vent Caulk	---	ND	None
VC-9C♣	Lower roof	Grey Roof Vent Caulk	---	ND	None
VC-10A♣	Lower roof	Black Roof Vent Caulk	---	ND	None
VC-10B♣	Lower roof	Black Roof Vent Caulk	---	ND	None
VC-10C♣	Lower roof	Black Roof Vent Caulk	---	ND	None
PNL-1A	Building exterior	Black Exterior Panels (at windows)	---	ND	None
PNL-1B	Building exterior	Black Exterior Panels (at windows)	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387



**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
PNL-1C	Building exterior	Black Exterior Panels (at windows)	- - -	ND	None
PCLK-2A♣	Building exterior	Black Window Panel Caulk	- - -	ND	None
PCLK-2B♣	Building exterior	Black Window Panel Caulk	- - -	ND	None
PCLK-2C♣	Building exterior	Black Window Panel Caulk	- - -	ND	None
WCLK-3A♣	Building exterior	White Window Caulk	- - -	ND	None
WCLK-3B♣	Building exterior	White Window Caulk	- - -	ND	None
WCLK-3C♣	Building exterior	White Window Caulk	- - -	ND	None
DCLK-4A♣	Building exterior	Tan/White Exterior Door Caulk	- - -	2.57%	Chrysotile
DCLK-4B	Building exterior	--	--	NA/PS	--
DCLK-4C	Building exterior	--	--	NA/PS	--

♣ Samples analyzed by EPA/600/R-93/116 with gravimetric reduction

ND - asbestos was not detected

Trace - asbestos was observed at level of 1% or less - This is the reporting limit

NA/PS - Not Analyzed / Positive Stop


SNA - Sample Not Analyzed- See Chain of Custody for details


Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2023. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2024. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by:   
 Joel Corso, Laboratory Analyst

Reviewed by:   
 Kathleen Williamson, Laboratory Manager

**Date Issued**  
 03/22/2023

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622  
 RI #PLM0007 TX #300354 VT #AL910359 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387



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				heating FIT-above Ceiling And Baseboard Heat, <del>Basement Heating Water FIT, restrooms, Chases, Upper Level Heating Water FIT, Restrooms, Chases</del>	
03/06/23	HFIT-3	<del>Insulation</del> , Pipe Elbows / Fittings, White		<del>Boiler Area cold Water FIT, Basement-heating FIT-above Ceiling, Upper Level-heating FIT-above Ceiling And Baseboard Heat, Basement Heating Water FIT, restrooms, Chases, Upper Level Heating Water FIT, Restrooms, Chases</del>	See Diagram
03/08/23	HFIT-4	<del>Insulation</del> , Pipe Elbows / Fittings, White		<del>Boiler Area cold Water FIT, Basement-heating FIT-above Ceiling, Upper Level-heating FIT-above Ceiling And Baseboard Heat, Basement Heating Water FIT, restrooms, Chases, Upper Level Heating Water FIT, Restrooms, Chases</del>	See Diagram
03/06/23	EC-1	Insulation, End Cap Insulation , Grey, White		Boiler Area	See Diagram
03/06/23	EC-2	Insulation, End Cap Insulation , Grey, White		Boiler Area	See Diagram
03/06/23	EC-3	Insulation, End Cap Insulation , Grey, White		Boiler Area	See Diagram
03/06/23	EC-4	Insulation, End Cap Insulation , Grey, White		Boiler Area	See Diagram
03/06/23	CTS-1	Ceiling Tile, 2' x 2', White (fissures and pinholes)		Throughout	See Diagram
03/06/23	CTS-2	Ceiling Tile, 2' x 2', White		Throughout	See Diagram
03/08/23	CTS-3	Ceiling Tile, 2' x 2', White		Throughout	See Diagram
03/06/23	CTL-1	Ceiling Tile, 2' x 2', White (gouges and pinholes)		Throughout	See Diagram
03/06/23	CTL-2	Ceiling Tile, 2' x 2', White		Throughout	See Diagram
03/08/23	CTL-3	Ceiling Tile, 2' x 2', White		Throughout	See Diagram
03/08/23	CTX-1	Ceiling Tile, 2' x 2', White (deep fissures + pink back side)		Throughout	See Diagram
03/08/23	CTX-2	Ceiling Tile, 2' x 2', White		Throughout	See Diagram
03/08/23	CTX-3	Ceiling Tile, 2' x 2', White		Throughout	See Diagram

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03/08/23	CTX-4	Ceiling Tile, 2' x 2', White <i>(deep pink fissures + back side)</i>	Throughout	See Diagram
03/06/23	WB-1	Wallboard, <del>Compound, White</del>	Throughout	See Diagram
03/06/23	WB-2	Wallboard, <del>Compound, White</del>	Throughout	See Diagram
03/06/23	JC-1	Wallboard, <del>Compound, White</del> Joint	Throughout	See Diagram
03/06/23	JC-2	Wallboard, <del>Compound, White</del> Joint	Throughout	See Diagram
03/06/23	JC-3	Wallboard, <del>Compound, White</del> Joint	Throughout	See Diagram
03/08/23	WB-3	Wallboard, <del>Compound, White</del>	Throughout	See Diagram
03/06/23	CB-1	Cove Base, with Adhesive, Black <i>(PLM NOB)</i>	Throughout	See Diagram
03/06/23	CB-2	Cove Base, with Adhesive, Black	Throughout	See Diagram
03/08/23	CB-3	Cove Base, with Adhesive, Black	Throughout	See Diagram
03/06/23	FT-1	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", Tan	Throughout	See Diagram
03/06/23	FT-2	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", Tan	Throughout	See Diagram
03/08/23	FT-3	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", Tan	Throughout	See Diagram
03/06/23	BFT-1	Vinyl Floor Tile, with Black Mastic, 12" x 12", Brown	Server Room	Computer room
03/06/23	BFT-2	Vinyl Floor Tile, with Black Mastic, 12" x 12", Brown	Server Room	Computer room
03/07/23	BFT-3	Vinyl Floor Tile, with Black Mastic, 12" x 12", Brown	Server Room	Computer room
03/06/23	CM-1	Carpet glue, Black, Yellow	Throughout	See Diagram
03/06/23	CM-2	Carpet glue, Black, Yellow	Throughout	See Diagram
03/08/23	CM-3	Carpet glue, Black, Yellow	Throughout	See Diagram
03/06/23	WS-1	Window sill, Black	Throughout	See Diagram
03/06/23	WS-2	Window sill, Black	Throughout	See Diagram
03/07/23	WS-3	Window sill, Black	Throughout	Basement
03/06/23	CMU-1	CMU block and mortar, White	Throughout	See Diagram

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03/06/23	CMU-2	CMU block and mortar , White	Throughout	See Diagram
03/06/23	CMU-3	CMU block and mortar , White	Throughout	See Diagram
03/06/23	HS-1	Light fixture heat shield, Silver, White	Throughout	See Diagram
03/06/23	HS-2	Light fixture heat shield, Silver, White	Throughout	See Diagram
03/06/23	HS-3	Light fixture heat shield, Silver, White	Throughout	See Diagram
03/06/23	DFC-1	Interior door caulk, White (PLM) (NOB)	Throughout	See Diagram
03/06/23	DFC-2	Interior door caulk, White	Throughout	See Diagram
03/06/23	DFC-3	Interior door caulk, White	Throughout	See Diagram
03/06/23	BT-1	Ceramic, Tile, Yellow	Throughout Restrooms	See Diagram
03/06/23	BT-2	Ceramic, Tile, Yellow	Throughout Restrooms	See Diagram
03/06/23	BT-3	Ceramic, Tile, Yellow	Throughout Restrooms	See Diagram
03/06/23	TG-1	Ceramic tile grout, Yellow	Throughout Restrooms	See Diagram
03/06/23	TG-2	Ceramic tile grout, Yellow	Throughout Restrooms	See Diagram
03/06/23	TG-3	Ceramic tile grout, Yellow	Throughout Restrooms	See Diagram
03/06/23	WTG-1	Ceramic, Tile and Grout, White	Throughout Restrooms	See Diagram
03/06/23	WTG-2	Ceramic, Tile and Grout, White	Throughout Restrooms	See Diagram
03/06/23	WTG-3	Ceramic, Tile and Grout, White	Throughout Restrooms	See Diagram
03/06/23	FDI-1	Fire Rated Door Insulation, White	Basement Entryways	See Diagram
03/06/23	FDI-2	Fire Rated Door Insulation, White	Basement Entryways	See Diagram
03/07/23	SC-1	Sink Undercoat, White	N/A	See Diagram
03/07/23	SC-2	Sink Undercoat, White	N/A	See Diagram
03/07/23	SC-3	Sink Undercoat, White	N/A	See Diagram
03/07/23	B&M-1	Brick and mortar, Red and white	Throughout And Exterior	See Diagram

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03/07/23	B&M-2	Brick and mortar, Red and white	Through out And Exterior	See Diagram
03/07/23	B&M-3	Brick and mortar, Red and white	Through out And Exterior	See Diagram
03/07/23	LC-1	Leveling Compound, Brown	Through out <del>Restroom</del>	See Diagram
03/07/23	LC-2	Leveling Compound, Brown	Through out <del>Restroom</del>	See Diagram
03/07/23	LC-3	Leveling Compound, Brown	Through out <del>Restroom</del>	See Diagram
03/08/23	VDC-1	Vibration Damper Coating, Black	Ductwork	See Diagram
03/08/23	VDC-2	Vibration Damper Coating, Black	Ductwork	See Diagram
03/08/23	VDC-3	Vibration Damper Coating, Black	Ductwork	See Diagram
03/08/23	STA-1	Stair tread adhesive, Clear	<del>Link Area</del>	See Diagram
03/08/23	STA-2	Stair tread adhesive, Clear	<del>Link Area</del>	See Diagram
03/08/23	STA-3	Stair tread adhesive, Clear	<del>Link Area</del>	See Diagram
03/08/23	RD-1	Roofing, Debris <del>Black</del>	Throughout - on drop ceiling	See Diagram
03/08/23	RD-2	Roofing, Debris <del>Black</del>	Throughout	See Diagram
03/08/23	RD-3	Roofing, Debris <del>Black</del>	Throughout	See Diagram
03/08/23	PL-1	Ceiling plaster, White	Restrooms, Foyers, Interior And Exterior Overhangs	Upper level restroom
03/08/23	PL-2	Ceiling plaster, White	Restrooms, Foyers, Interior And Exterior Overhangs	Upper level foyer
03/08/23	PL-3	Ceiling plaster, White	Restrooms, Foyers, Interior And Exterior Overhangs	Upper level foyer
03/09/23	PL-4	Ceiling plaster, White	Restrooms, Foyers, Interior And Exterior Overhangs	Exterior east foyer
03/09/23	RF-1A	Roof field, <del>Multi-Layers</del>	Upper Roof	Upper roof
03/09/23	RF-1B	Roof field, <del>Multi-Layers</del>	Upper Roof	Upper roof
03/09/23	RF-1C	Roof field, <del>Multi-Layers</del>	Upper Roof	Upper roof
03/09/23	RFL-2A	Roof flashing, Black	Upper Roof	Upper roof
03/09/23	RFL-2B	Roof flashing, Black	Upper Roof	Upper roof

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03/09/23	RFL-2C	Roof flashing, Black	Upper Roof	Upper roof
03/09/23	RSS-3A	Roof seam sealant, Black <i>PLM (NOB)</i>	Upper And Lower Roofs	Upper roof
03/09/23	RSS-3B	Roof seam sealant, Black	Upper And Lower Roofs	Upper roof
03/09/23	RSS-3C	Roof seam sealant, Black	Upper And Lower Roofs	Upper roof
03/09/23	US-4A	Roof unit sealant, White	Upper Roof	Upper roof
03/09/23	US-4B	Roof unit sealant, White	Upper Roof	Upper roof
03/09/23	US-4C	Roof unit sealant, White	Upper Roof	Upper roof
03/09/23	VC-5A	Roof vent caulk, White	Upper Roof	Upper roof
03/09/23	VC-5B	Roof vent caulk, White	Upper Roof	Upper roof
03/09/23	VC-5C	Roof vent caulk, White	Upper Roof	Upper roof
03/09/23	WP-6A	Roof walking pad, White	Upper Roof And Lower Roofs	Upper roof
03/09/23	WP-6B	Roof walking pad, White	Upper Roof And Lower Roofs	Upper roof
03/09/23	WP-6C	Roof walking pad, White	Upper Roof And Lower Roofs	Upper roof
03/09/23	RF-7A	Roof field, Multi- <del>layers</del> layers <i>PLM (NOB)</i>	Lower Roof	Lower roof
03/09/23	RF-7B	Roof field, Multi- <del>layers</del>	Lower Roof	Lower roof
03/09/23	RF-7C	Roof field, Multi- <del>layers</del>	Lower Roof	Lower roof
03/09/23	RFL-8A	Roof flashing, Black	Lower Roof	Lower roof
03/09/23	RFL-8B	Roof flashing, Black	Lower Roof	Lower roof
03/09/23	RFL-8C	Roof flashing, Black	Lower Roof	Lower roof
03/09/23	VC-9A	Roof vent caulk, Grey <i>PLM (NOB)</i>	Lower Roof	Lower roof
03/09/23	VC-9B	Roof vent caulk, Grey	Lower Roof	Lower roof
03/09/23	VC-9C	Roof vent caulk, Grey	Lower Roof	Lower roof
03/09/23	VC-10A	Roof vent caulk, Black	Lower Roof	Lower roof

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03/09/23	VC-10B	Roof vent caulk, Black	Lower Roof	Lower roof
03/09/23	VC-10C	Roof vent caulk, Black	Lower Roof	Lower roof
03/09/23	PNL-1A	Exterior panels (at windows), Black	Building Exterior	Building exterior
03/09/23	PNL-1B	Exterior panels (at windows), Black	Building Exterior	Building exterior
03/09/23	PNL-1C	Exterior panels (at windows), Black	Building Exterior	Building exterior
03/09/23	PCLK-2A	Window panel caulk, Black	Building Exterior	Building exterior
03/09/23	PCLK-2B	Window panel caulk, Black	Building Exterior	Building exterior
03/09/23	PCLK-2C	Window panel caulk, Black	Building Exterior	Building exterior
03/09/23	WCLK-3A	Window caulk, White	Building Exterior	Building exterior
03/09/23	WCLK-3B	Window caulk, White	Building Exterior	Building exterior
03/09/23	WCLK-3C	Window caulk, White	Building Exterior	Building exterior
03/09/23	DCLK-4A	Exterior door caulk, Tan/White	Building Exterior	Building exterior
03/09/23	DCLK-4B	Exterior door caulk, Tan/White	Building Exterior	Building exterior
03/09/23	DCLK-4C	Exterior door caulk, Tan/White	Building Exterior	Building exterior

Special Instruction to Laboratory:  
N/A

CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION

Relinquished By:	Date and Time	Received By:	Date and Time
1. (Print): Frank DeLizo	03/13/2023	<i>[Signature]</i>	3/15/23
(Sign): <i>[Signature]</i>		<i>[Signature]</i>	1000
II. (Print):			
(Sign):			

61487

Email Results To: fidelizio@trccompanies.com

astever@trccompanies.com

Analytical Method: PLM EPA 600/R-93/116

Lab Comments:

\* PLM-NOB where noted

\* Stop at first positive in a series

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PLM Gravimetric Analysis

						<b>g crucible</b>		<b>decimal</b>	<b>% Asb</b>	<b>% Asb</b>
<b>Date</b>	<b>Analyst</b>	<b>Lab Log #</b>	<b>Sample ID</b>	<b>Crucible ID</b>	<b>g crucible</b>	<b>plus sample</b>	<b>g after 450°</b>	<b>Residue</b>	<b>in residue</b>	<b>total Sample</b>
3/17/2023	JC	61487	<b>CB-1 M</b>	41	19.9928	20.0154	20.0043	0.509	0.00	0.00
			<b>CB-1 CB</b>	42	20.5557	20.6019	20.5882	0.703	0.00	0.00
			<b>CB-2 M</b>	43	24.9086	24.9285	24.919	0.523	0.00	0.00
			<b>CB-2 CB</b>	45	25.5539	25.6058	25.5907	0.709	0.00	0.00
			<b>CB-3 M</b>	47	20.4121	20.5143	20.4701	0.568	0.00	0.00
			<b>CB-3 CB</b>	48	20.6208	20.6645	20.6514	0.700	0.00	0.00
			<b>FT-1 M</b>	50	22.1278	22.1372	22.1329	0.543	0.00	0.00
			<b>FT-1 T</b>	51	21.0538	21.1055	21.0951	0.799	0.00	0.00
			<b>FT-2 M</b>	60	23.6799	23.6845	23.6802	0.065	0.00	0.00
			<b>FT-2 T</b>	61	19.4823	19.5358	19.5256	0.809	0.00	0.00
			<b>FT-3 M</b>	62	23.5132	23.5382	23.518	0.192	0.00	0.00
			<b>FT-3 T</b>	65	26.4633	26.5574	26.5389	0.803	0.00	0.00
			<b>BFT-1 M</b>	67	17.4778	17.485	17.4805	0.375	20.00	7.50
			<b>BFT-1 T</b>	70	24.4791	24.5102	24.5002	0.678	5.00	3.39
			<b>CM-1</b>	80	18.0733	18.0947	18.0873	0.654	0.00	0.00
			<b>CM-2</b>	91	24.5744	24.5924	24.5843	0.550	0.00	0.00
			<b>CM-3</b>	95	20.1840	20.1931	20.1889	0.538	0.00	0.00
			<b>WS-1</b>	98	20.4930	20.5646	20.5637	0.987	0.00	0.00
			<b>WS-2</b>	99	17.6149	17.6552	17.6544	0.980	0.00	0.00
			<b>WS-3</b>	100	18.5543	18.6379	18.6373	0.993	0.00	0.00
			<b>DFC-1</b>	102	22.4747	22.5986	22.5747	0.807	5.00	4.04
			<b>SC-1</b>	113	18.9552	19.0415	19.0175	0.722	0.00	0.00

PLM Gravimetric Analysis

						<b>g crucible</b>		<b>decimal</b>	<b>% Asb</b>	<b>% Asb</b>
<b>Date</b>	<b>Analyst</b>	<b>Lab Log #</b>	<b>Sample ID</b>	<b>Crucible ID</b>	<b>g crucible</b>	<b>plus sample</b>	<b>g after 450°</b>	<b>Residue</b>	<b>in residue</b>	<b>total Sample</b>
			<b>SC-2</b>	118	23.2932	23.3277	23.3181	0.722	0.00	0.00
			<b>SC-3</b>	120	26.5904	26.637	26.624	0.721	0.00	0.00
			<b>VDC-1</b>	131	24.6089	24.6812	24.6522	0.599	0.00	0.00
			<b>VDC-2</b>	149	20.3971	20.4774	20.4454	0.601	0.00	0.00
			<b>VDC-3</b>	155	28.6406	28.6949	28.6562	0.287	0.00	0.00
			<b>STA-1</b>	162	34.5657	34.7402	34.5891	0.134	0.00	0.00
			<b>STA-2</b>	171	20.5711	20.8103	20.6077	0.153	0.00	0.00
			<b>STA-3</b>	190	20.4877	20.8135	20.5361	0.149	0.00	0.00
			<b>RD-1</b>	254	20.0326	20.4733	20.3569	0.736	0.00	0.00
			<b>RD-2</b>	E	30.5206	30.6288	30.5254	0.044	2.00	0.09
			<b>RD-3</b>	H	27.9108	28.0946	27.9173	0.035	2.00	0.07
			<b>RF-1A PB</b>	I	29.2363	29.5421	29.2412	0.016	0.00	0.00
			<b>RF-1A R</b>	Q	31.1892	31.2396	31.2033	0.280	0.00	0.00
			<b>RF-1B PB</b>	5	19.3962	19.9572	19.4049	0.016	0.00	0.00
			<b>RF-1B R</b>	L	34.0671	34.1444	34.0866	0.252	0.00	0.00
			<b>RF-1C PB</b>	21	19.4596	19.805	19.4749	0.044	0.00	0.00
			<b>RF-1C R</b>	24	19.5548	19.6187	19.5749	0.315	0.00	0.00
			<b>RFL-2A</b>	33	18.3114	18.3398	18.3148	0.120	0.00	0.00
			<b>RFL-2B</b>	37	20.0388	20.0700	20.0458	0.224	0.00	0.00
			<b>RFL-2C</b>	49	20.3768	20.4011	20.3813	0.185	0.00	0.00
			<b>RSS-3A</b>	53	17.5068	17.6964	17.6149	0.570	0.00	0.00
			<b>RSS-3B</b>	54	18.5712	18.8066	18.6492	0.331	0.00	0.00
			<b>RSS-3C</b>	57	20.3908	20.4843	20.4485	0.617	0.00	0.00



PLM Gravimetric Analysis

						<b>g crucible</b>		<b>decimal</b>	<b>% Asb</b>	<b>% Asb</b>
<b>Date</b>	<b>Analyst</b>	<b>Lab Log #</b>	<b>Sample ID</b>	<b>Crucible ID</b>	<b>g crucible</b>	<b>plus sample</b>	<b>g after 450°</b>	<b>Residue</b>	<b>in residue</b>	<b>total Sample</b>
			<b>US-4A</b>	66	18.2283	18.2931	18.2535	0.389	0.00	0.00
			<b>US-4B</b>	69	24.0101	24.2761	24.1015	0.344	0.00	0.00
			<b>US-4C</b>	75	19.8507	19.9804	19.8844	0.260	0.00	0.00
			<b>VC-5A</b>	78	26.4798	26.6319	26.5233	0.286	0.00	0.00
			<b>VC-5B</b>	79	26.5522	26.6161	26.5704	0.285	0.00	0.00
			<b>VC-5C</b>	81	20.9981	21.0426	21.011	0.290	0.00	0.00
			<b>RF-7A PB</b>	83	20.5604	20.6717	20.5691	0.078	0.00	0.00
			<b>RF-7A R</b>	85	21.2020	21.2564	21.2193	0.318	0.00	0.00
			<b>RF-7B PB</b>	88	26.4500	26.553	26.5178	0.658	0.00	0.00
			<b>RF-7B R</b>	96	29.5199	29.5728	29.5368	0.319	0.00	0.00
			<b>RF-7C PB</b>	97	19.0754	19.1215	19.0818	0.139	0.00	0.00
			<b>RF-7C R</b>	101	23.4688	23.5355	23.4828	0.210	0.00	0.00
			<b>RFL-8A</b>	106	27.4669	27.5543	27.4902	0.267	0.00	0.00
			<b>RFL-8B</b>	107	25.7718	25.8996	25.8133	0.325	0.00	0.00
			<b>RFL-8C</b>	110	19.7152	19.8969	19.7695	0.299	0.00	0.00
			<b>VC-9A</b>	112	20.5425	20.6463	20.5973	0.528	0.00	0.00
			<b>VC-9B</b>	114	20.1674	20.3891	20.2849	0.530	0.00	0.00
			<b>VC-9C</b>	116	20.5450	20.7103	20.6337	0.537	0.00	0.00
			<b>VC-10A</b>	122	19.7354	19.9481	19.8585	0.579	0.00	0.00
			<b>VC-10B</b>	123	26.2333	26.5293	26.4164	0.619	0.00	0.00
			<b>VC-10C</b>	124	20.3944	20.5511	20.4879	0.597	0.00	0.00
			<b>PCLK-2A</b>	125	19.3216	19.487	19.4092	0.530	0.00	0.00
			<b>PCLK-2B</b>	126	22.9920	23.2327	23.1198	0.531	0.00	0.00

PLM Gravimetric Analysis

						<b>g crucible</b>		<b>decimal</b>	<b>% Asb</b>	<b>% Asb</b>
<b>Date</b>	<b>Analyst</b>	<b>Lab Log #</b>	<b>Sample ID</b>	<b>Crucible ID</b>	<b>g crucible</b>	<b>plus sample</b>	<b>g after 450°</b>	<b>Residue</b>	<b>in residue</b>	<b>total Sample</b>
			<b>PCLK-2C</b>	127	19.1980	19.4029	19.303	0.512	0.00	0.00
			<b>WCLK-3A</b>	129	18.9658	19.1897	19.0899	0.554	0.00	0.00
			<b>WCLK-3B</b>	132	19.1127	19.4226	19.2997	0.603	0.00	0.00
			<b>WCLK-3C</b>	134	20.2564	20.9687	20.6432	0.543	0.00	0.00
			<b>DCLK-4A</b>	135	17.8707	18.2777	18.0795	0.513	5.00	2.57
			<b>EC-1</b>	139	18.1032	18.1874	18.1537	0.600	0.00	0.00
			<b>EC-2</b>	146	17.1795	17.3075	17.259	0.621	0.00	0.00
			<b>EC-3</b>	151	26.5463	26.6044	26.5796	0.573	0.00	0.00
			<b>EC-4</b>	152	22.0437	22.1821	22.1255	0.591	0.00	0.00

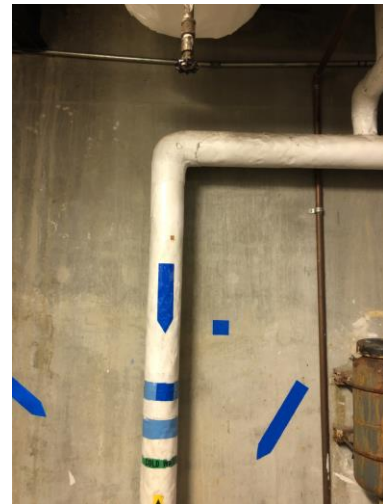
## Attachment 3 – Asbestos Survey Photographic Log

**EASTERN STATE HOSPITAL BUILDING 3 ASSESSMENT – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG**

**Sample Numbers:** CC-1, CC-2, CC-3  
**Material Description:** Concrete  
**Material Color:** Grey  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout  
**Total Approximate Quantity:** 17,000 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** CFIT-1, CFIT-2  
**Material Description:** Cold Water Pipe Elbows / Fittings  
**Material Color:** White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Boiler Area  
**Total Approximate Quantity:** 12 Each  
**Condition:** Good  
**Material Type:** TSI



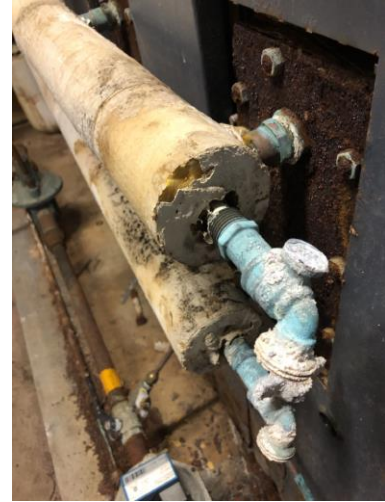
**Sample Numbers:** HFIT-1, HFIT-2, HFIT-3, HFIT - 4  
**Material Description:** Heating Pipe Elbows / Fittings  
**Material Color:** Grey  
**Asbestos Detected:** **Positive**  
**Asbestos Type:** **5% Chrysotile**  
**Homogeneous Area:** Throughout building above ceiling and at baseboards  
**Total Approximate Quantity:** 280 Each  
**Condition:** Good  
**Material Type:** TSI



**I.D. Number:** DFIT  
**Material Description:** Domestic Water Pipe Elbows / Fittings  
**Material Color:** White  
**Accessible Material:** Inaccessible  
**Reason Inaccessible:** Behind restroom CMU walls  
**Asbestos Detected:** **Assumed to contain asbestos.**  
**Homogeneous Area:** Restroom Chases throughout building  
**Total Approximate Quantity:** 40 Each  
**Condition:** Fair  
**Material Type:** TSI



**Sample Numbers:** EC-1, EC-2, EC-3, EC-4  
**Material Description:** Insulation End Cap Sealant  
**Material Color:** Grey, White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Boiler Area  
**Total Approximate Quantity:** 15 SF  
**Condition:** Poor  
**Material Type:** Misc.



**Sample Numbers:** CTL-1, CTL-2, CTL-3 / CTS-1, CTS-2, CTS-3 / CTX-1, CTX-2, CTX-3, CTX-4

**Material Description:**  
CTL-1-3=Ceiling tile w/ fissures and pinholes  
CTS-1-3=Ceiling tile w/ gouges and pinholes  
CTX-1-4=Ceiling tile w/ deep fissures and pink backing

**Material Color:** White  
**CTL Asbestos Detected / Type:** None  
**CTS Asbestos Detected / Type:** None  
**CTX Asbestos Detected / Type:** None

**Homogeneous Area:** CTL and CTS - Throughout  
CTX – Upper Level

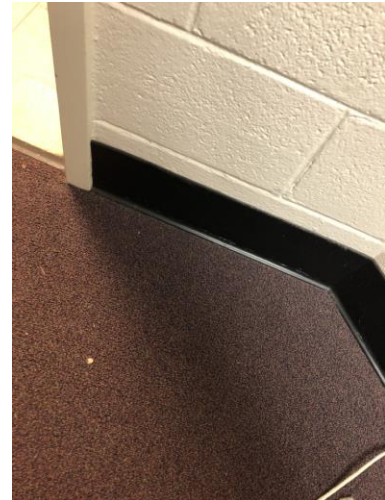
**CTL Approximate Quantity:** 7700 SF  
**CTS Approximate Quantity:** 7700 SF  
**CTX Approximate Quantity:** 3667 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** WB-1, WB-2, WB-3 / JC-1, JC-2, JC-3  
**Material Description:** Wallboard gypsum and associated Joint Compound  
**Material Color:** White  
**WB Asbestos Detected / Type:** None  
**JC Asbestos Detected / Type:** None  
**Homogeneous Area:** Throughout  
**Total Approximate Quantity:** Not Quantified  
**Condition:** Good  
**Material Type:** WB-Misc. / JC-Surfacing



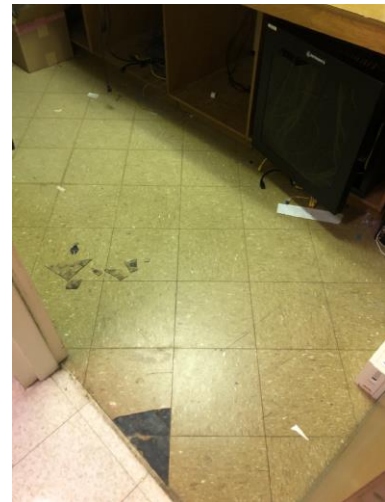
**Sample Numbers:** CB-1, CB-2, CB-3  
**Material Description:** Cove Base and Adhesive  
**Material Color:** Black  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout  
**Total Approximate Quantity:** 2000 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** FT-1, FT-2, FT-3  
**Material Description:** 12"x12" Floor Tile w/ Yellow Adhesive  
**Material Color:** Tan  
**Asbestos Detected:** None  
**Asbestos Type:** None  
**Homogeneous Area:** Throughout  
**Total Approximate Quantity:** 15000 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** BFT-1, BFT-2, BFT-3  
**Material Description:** 12"x12" Floor Tile w/ Black Mastic  
**Material Color:** Brown  
**Asbestos Detected:** **Positive**  
**Asbestos Type:** **Mastic-7.5% Chrysotile**  
**Tile-3.4% Chrysotile**  
**Homogeneous Area:** Lower Level Server (computer) Room  
**Total Approximate Quantity:** 140 SF  
**Condition:** Good  
**Material Type:** Misc.





**Sample Numbers:** CM-1, CM-2, CM-3  
**Material Description:** Carpet Glue  
**Material Color:** Black / Yellow  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout building  
**Total Approximate Quantity:** 13,500 SF  
**Condition:** Good  
**Material Type:** Misc.  
**NESHAP Category:** N/A  
**Notes:** Carpet mastic



**Sample Numbers:** WS-1, WS-2, WS-3  
**Material Description:** Window Sill  
**Material Color:** Black  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout building  
**Total Approximate Quantity:** 100 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** CMU-1, CMU-2, CMU-3  
**Material Description:** CMU Block and Mortar  
**Material Color:** White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout building  
**Total Approximate Quantity:** Not Quantified  
**Condition:** Good  
**Material Type:** Misc.



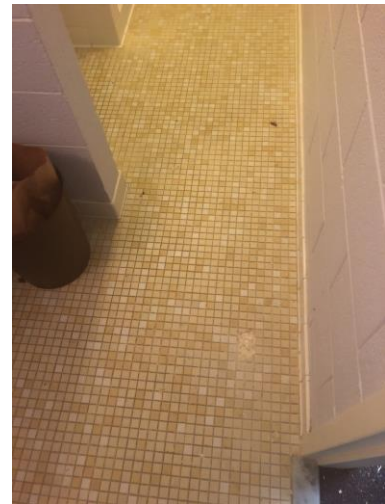
**Sample Numbers:** HS-1, HS-2, HS-3  
**Material Description:** Light Fixture Heat Shield  
**Material Color:** Silver / White  
**Asbestos Detected:** **Positive**  
**Asbestos Type:** **60% Chrysotile**  
**Homogeneous Area:** Throughout building  
**Total Approximate Quantity:** 20 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** DFC-1, DFC-2, DFC-3  
**Material Description:** Interior Door Caulk  
**Material Color:** White  
**Asbestos Detected:** **Positive**  
**Asbestos Type:** **4.0% Chrysotile**  
**Homogeneous Area:** Throughout building  
**Total Approximate Quantity:** 500 LF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** BT-1, BT-2, BT-3  
**Material Description:** Ceramic Tile  
**Material Color:** Yellow  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout Restrooms  
**Total Approximate Quantity:** 1,800 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** TG-1, TG-2, TG-3  
**Material Description:** Ceramic Tile Grout  
**Material Color:** White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout Restrooms  
**Total Approximate Quantity:** 1,800 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** WTG-1, WTG-2, WTG-3  
**Material Description:** Ceramic Tile and Grout  
**Material Color:** White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout Restrooms  
**Total Approximate Quantity:** 4,000 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** FDI-1, FDI-2  
**Material Description:** Fire Rated Door Insulation  
**Material Color:** White  
**Asbestos Detected:** **Positive**  
**Asbestos Type:** **20% Chrysotile**  
**Homogeneous Area:** Lower Level Entryways  
**Total Approximate Quantity:** 100 SF  
**Condition:** Good  
**Material Type:** Misc.



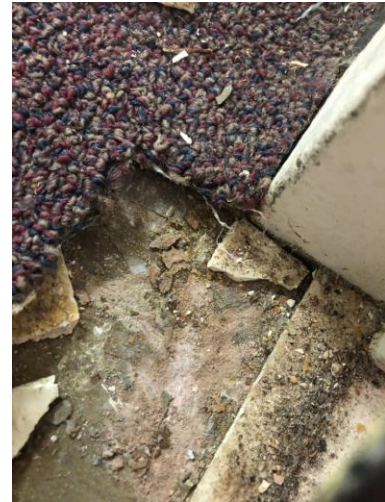
**Sample Numbers:** SC-1, SC-2, SC-3  
**Material Description:** Sink Undercoat  
**Material Color:** White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Lower Level Break Room  
**Total Approximate Quantity:** 8 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** B&M-1, B&M-2, B&M-3  
**Material Description:** Brick and Mortar  
**Material Color:** Red / White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout Interior and Exterior  
**Total Approximate Quantity:** Not Quantified  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** LC-1, LC-2, LC-3  
**Material Description:** Leveling Compound  
**Material Color:** Brown  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Throughout  
**Total Approximate Quantity:** 16,000 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** VDC-1, VDC-2, VDC-3  
**Material Description:** Duct Vibration Damper Coating  
**Material Color:** Black  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Upper Level Ductwork  
**Total Approximate Quantity:** 20 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** STA-1, STA-2, STA-3  
**Material Description:** Stair Tread Adhesive  
**Material Color:** Clear  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Link Between Upper and Lower Level  
**Total Approximate Quantity:** 100 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** RD-1, RD-2, RD-3  
**Material Description:** Roofing Debris on Drop Ceiling  
**Material Color:** Black  
**Asbestos Detected:** Trace  
**Asbestos Type:** 0.07-0.09% Chrysotile  
**Homogeneous Area:** Throughout  
**Total Approximate Quantity:** 12,000 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** PL-1, PL-2, PL-3, PL-4  
**Material Description:** Ceiling Plaster  
**Material Color:** White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Upper Level Restrooms, Foyers, Interior and Exterior Overhangs  
**Total Approximate Quantity:** 1,000 SF  
**Condition:** Good  
**Material Type:** Surfacing





**Sample Numbers:** RF-1A, RF-1B, RF-1C  
**Material Description:** Roof Field  
**Material Color:** Multi-color  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Upper Roof  
**Total Approximate Quantity:** 11,800 SF  
**Condition:** Good  
**Material Type:** Misc.



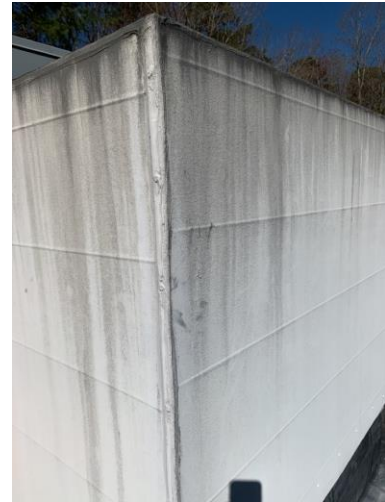
**Sample Numbers:** RFL-2A, RFL-2B, RFL-2C  
**Material Description:** Roof Flashing  
**Material Color:** Black  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Upper Roof  
**Total Approximate Quantity:** 2,400 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** RSS-3A, RSS-3B, RSS-3C  
**Material Description:** Roof Seam Sealant  
**Material Color:** Black  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Upper and Lower Roofs  
**Total Approximate Quantity:** 800 LF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** US-4A, US-4B, US-4C  
**Material Description:** Roof Unit Sealant  
**Material Color:** White  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Upper Roof  
**Total Approximate Quantity:** 250 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** VC-5A, VC-5B, VC-5C

**Material Description:** Roof Vent Caulk

**Material Color:** White

**Asbestos Detected:** None

**Asbestos Type:** NA

**Homogeneous Area:** Upper Roof

**Total Approximate Quantity:** 20 LF

**Condition:** Good

**Material Type:** Misc.



**Sample Numbers:** WP-6A, WP-6B, WP-6C

**Material Description:** Roof Walking Pad

**Material Color:** White

**Asbestos Detected:** None

**Asbestos Type:** NA

**Homogeneous Area:** Upper and Lower Roofs

**Total Approximate Quantity:** 400 SF

**Condition:** Good

**Material Type:** Misc.



**Sample Numbers:** RF-7A, RF-7B, RF-7C  
**Material Description:** Roof Field  
**Material Color:** Multi-color  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Lower Roof  
**Total Approximate Quantity:** 5,200 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** RFL-8A, RFL-8B, RFL-8C  
**Material Description:** Roof Flashing  
**Material Color:** Black  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Lower Roof  
**Total Approximate Quantity:** 1,000 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** VC-9A, VC-9B, VC-9C

**Material Description:** Roof Vent Caulk

**Material Color:** Grey

**Asbestos Detected:** None

**Asbestos Type:** NA

**Homogeneous Area:** Lower Roof

**Total Approximate Quantity:** 10 LF

**Condition:** Damaged

**Material Type:** Misc.



**Sample Numbers:** VC-10A, VC-10B, VC-10C

**Material Description:** Roof Vent Caulk

**Material Color:** Black

**Asbestos Detected:** None

**Asbestos Type:** NA

**Homogeneous Area:** Lower Roof

**Total Approximate Quantity:** 20 LF

**Condition:** Good

**Material Type:** Misc.



**Sample Numbers:** PNL-1A, PNL-1B, PNL-1C  
**Material Description:** Exterior Panels (at Windows)  
**Material Color:** Black  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Building Exterior  
**Total Approximate Quantity:** 3,000 SF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** PCLK-2A, PCLK-2B, PCLK-2C  
**Material Description:** Window Panel Caulk  
**Material Color:** Black  
**Asbestos Detected:** None  
**Asbestos Type:** NA  
**Homogeneous Area:** Building Exterior  
**Total Approximate Quantity:** 1,000 LF  
**Condition:** Good  
**Material Type:** Misc.



**Sample Numbers:** WCLK-3A, WCLK-3B, WCLK-3C

**Material Description:** Window Caulk

**Material Color:** White

**Asbestos Detected:** None

**Asbestos Type:** NA

**Homogeneous Area:** Building Exterior

**Total Approximate Quantity:** 3,300 LF

**Condition:** Good

**Material Type:** Misc.



**Sample Numbers:** DCLK-4A, DCLK-4B, DCLK-4C

**Material Description:** Exterior Door Caulk

**Material Color:** Tan/White

**Asbestos Detected:** **Positive**

**Asbestos Type:** **2.6% Chrysotile**

**Homogeneous Area:** Building Exterior

**Total Approximate Quantity:** 200 LF

**Condition:** Good

**Material Type:** Misc.



## Attachment 4 – Asbestos Sample Location Drawing

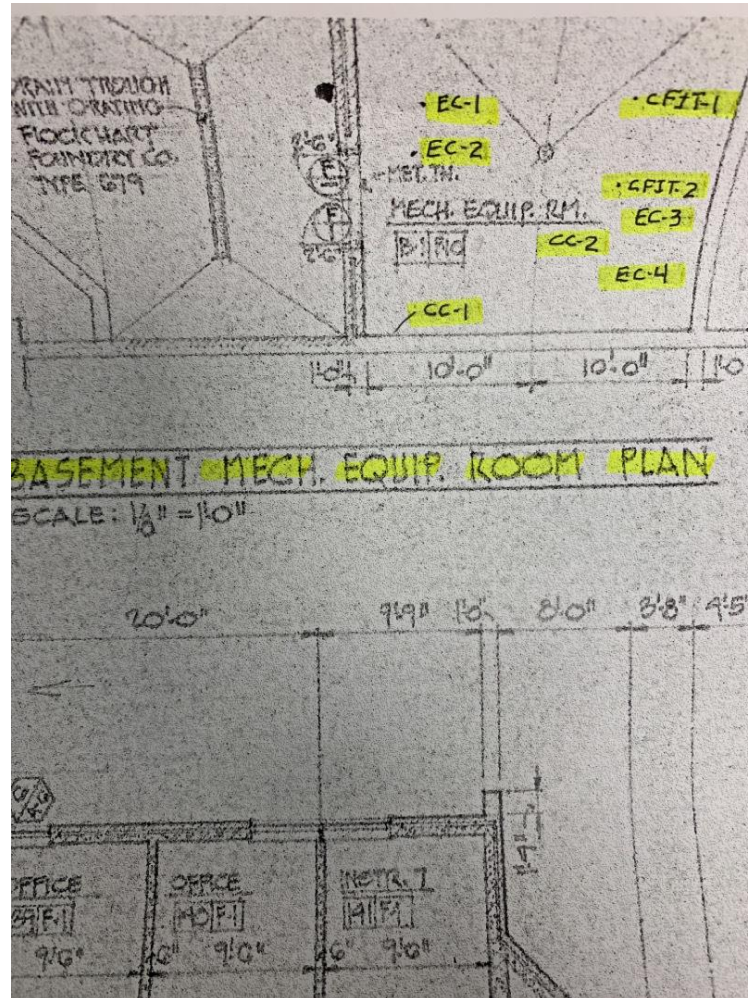




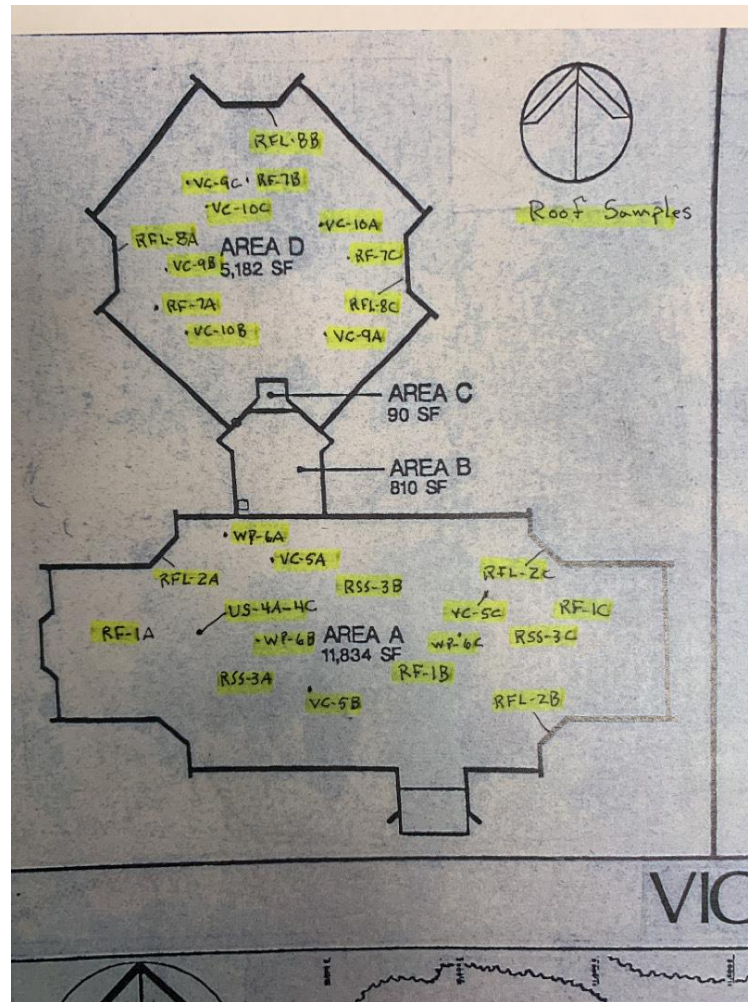
## EASTERN STATE HOSPITAL BUILDING 3 ASSESSMENT – SAMPLE LOCATION DIAGRAM



### EASTERN STATE HOSPITAL BUILDING 3 ASSESSMENT – SAMPLE LOCATION DIAGRAM



# EASTERN STATE HOSPITAL BUILDING 3 ASSESSMENT – SAMPLE LOCATION DIAGRAM



## Attachment 5 – Lead Survey Photographic Log

**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 2  
**Component:** Boiler casing  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Boiler Room  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 3  
**Component:** Generator Motor Casing  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Tan  
**Sample Location:** Boiler Room  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.11  
**Paint Classification:** LCP



**XRF Reading:** 4  
**Component:** Generator Belt Casing  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Green  
**Sample Location:** Boiler Room  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.02  
**Paint Classification:** LCP



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 5  
**Component:** Generator Fan Casing  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Tan  
**Sample Location:** Boiler Room  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.004  
**Paint Classification:** **LCP**



**XRF Reading:** 6  
**Component:** Water Heater Casing  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Brown  
**Sample Location:** Boiler Room  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 7  
**Component:** Water Heater Casing  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Boiler Room  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 8  
**Component:** Circulating Pump  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Pump  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.012  
**Paint Classification:** LCP



**XRF Reading:** 9  
**Component:** Circulating Pump  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Motor Cover  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 10  
**Component:** Flash Tank  
**Substrate:** Steel  
**Paint Coating Condition:** Fair  
**Color:** Gray  
**Sample Location:** Tank Casing  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND





**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading: 11**  
**Component:** Air Compressor  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Tank  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.11  
**Paint Classification:** **LCP**



**XRF Reading: 12**  
**Component:** Air Compressor  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Gold  
**Sample Location:** Motor  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading: 13**  
**Component:** Air Compressor  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Blue  
**Sample Location:** Oil Well  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 14  
**Component:** Air Compressor  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Blue  
**Sample Location:** Compressor Mount  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 15  
**Component:** Air Compressor  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Filter Cover  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.05  
**Paint Classification:** LCP



**XRF Reading:** 16  
**Component:** Electrical Box  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Casing  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 17  
**Component:** Electrical Box  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Light Gray  
**Sample Location:** Casing  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.01  
**Paint Classification:** **LCP**



**XRF Reading:** 18  
**Component:** Electrical Panel  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Casing  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 19  
**Component:** Door  
**Substrate:** Metal  
**Paint Coating Condition:** Poor  
**Color:** Red  
**Sample Location:** Boiler Room Door  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.02  
**Paint Classification:** **LCP**



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

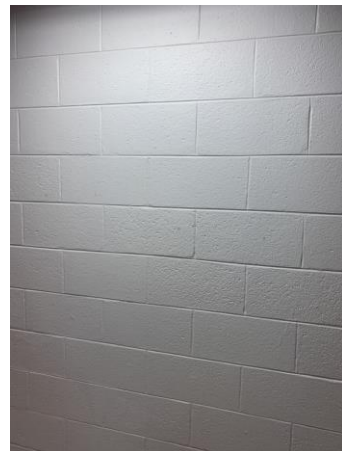
**XRF Reading:** 20  
**Component:** Door Jam  
**Substrate:** Metal  
**Paint Coating Condition:** Poor  
**Color:** Red  
**Sample Location:** Boiler Room Door Jamb  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.02  
**Paint Classification:** **LCP**



**XRF Reading:** 21  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** Light Blue  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 22  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND

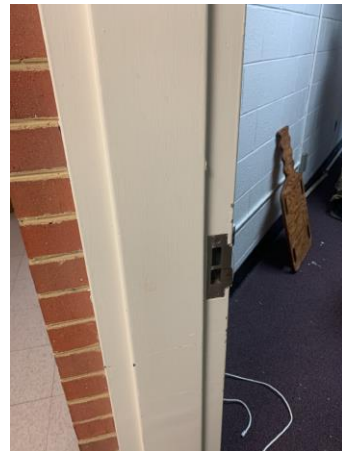


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 23  
**Component:** Door  
**Substrate:** Wood  
**Paint Coating Condition:** Intact  
**Color:** Varnish  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 24  
**Component:** Door Jamb  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Beige  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND

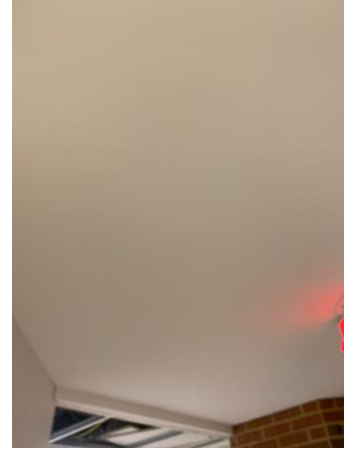


**XRF Reading:** 25  
**Component:** Window Casing  
**Substrate:** Wood  
**Paint Coating Condition:** Intact  
**Color:** Beige  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.019  
**Paint Classification:** LCP



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 26  
**Component:** Ceiling  
**Substrate:** Drywall  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 27  
**Component:** Structural Beam  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Red  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 28  
**Component:** Door  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Red  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.027  
**Paint Classification:** LCP



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 29  
**Component:** Door Jamb  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Red  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.02  
**Paint Classification:** LCP



**XRF Reading:** 30  
**Component:** Floor  
**Substrate:** Concrete  
**Paint Coating Condition:** Fair  
**Color:** Red  
**Sample Location:** Lower Section North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 31  
**Component:** Floor Hatch  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Red  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 32  
**Component:** Closet  
**Substrate:** Wood  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Section North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 33  
**Component:** Ceiling Grid  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Beige  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 34  
**Component:** Floor  
**Substrate:** Concrete  
**Paint Coating Condition:** Fair  
**Color:** Gray  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.009  
**Paint Classification:** LCP





**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 35  
**Component:** Stair Tread  
**Substrate:** Concrete  
**Paint Coating Condition:** Intact  
**Color:** Gray  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.006  
**Paint Classification:** **LCP**



**XRF Reading:** 36  
**Component:** Stair Riser  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Black  
**Sample Location:** Lower Section North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 3.0  
**Paint Classification:** **LBP**

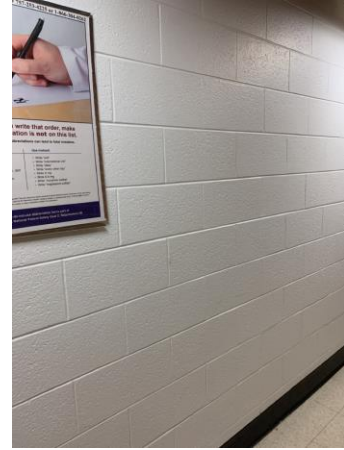


**XRF Reading:** 37  
**Component:** Stair Stringer  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Black  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 5.0  
**Paint Classification:** **LBP**



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 38  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 39  
**Component:** Door  
**Substrate:** Wood  
**Paint Coating Condition:** Intact  
**Color:** Varnish  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 40  
**Component:** Door Jamb  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.016  
**Paint Classification:** LCP



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 41  
**Component:** Window Casing  
**Substrate:** Wood  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.01  
**Paint Classification:** LCP



**XRF Reading:** 42  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** Orange  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 43  
**Component:** Ceiling Black Iron  
**Substrate:** Metal  
**Paint Coating Condition:** Fair  
**Color:** Black  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 44  
**Component:** Structural Steel Beam  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Red  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 45  
**Component:** Ceiling Grid  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 4  
**Component:** Window Casing  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level West  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND

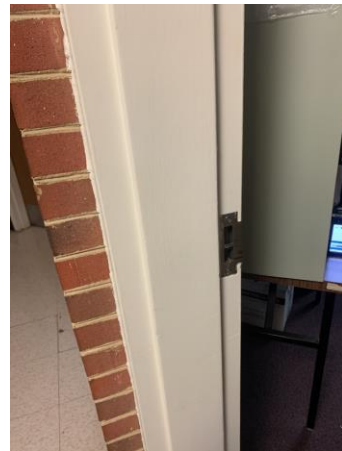


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 47  
**Component:** Door  
**Substrate:** Wood  
**Paint Coating Condition:** Intact  
**Color:** Varnish  
**Sample Location:** Lower Level West  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 48  
**Component:** Door Jamb  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level West  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.008  
**Paint Classification:** LCP

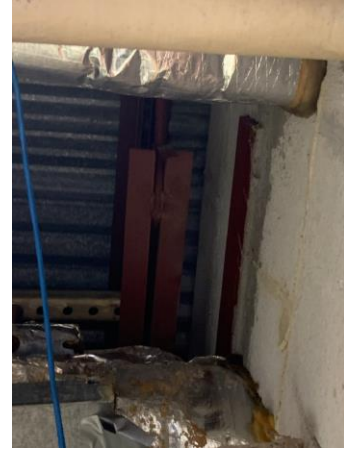


**XRF Reading:** 49  
**Component:** Ceiling  
**Substrate:** Drywall  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Lower Level West  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

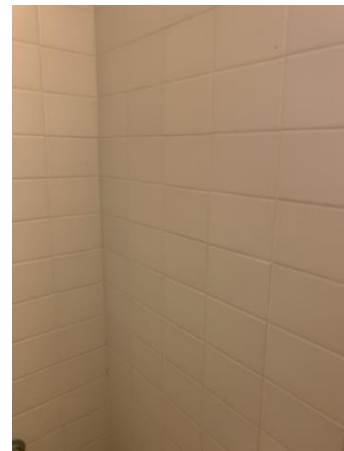
**XRF Reading:** 50  
**Component:** Structural Steel Beam  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Red  
**Sample Location:** Lower Level West  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 51  
**Component:** Floor  
**Substrate:** Ceramic Tile  
**Glaze Coating Condition:** Intact  
**Color:** Orange  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 52  
**Component:** Wall  
**Substrate:** Ceramic Tile  
**Glaze Coating Condition:** Intact  
**Color:** Light Blue  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.007  
**Coating Classification:** LCP

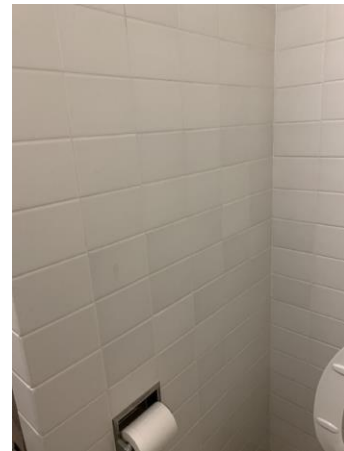


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 53  
**Component:** Floor  
**Substrate:** Ceramic Tile  
**Glaze Coating Condition:** Intact  
**Color:** Tan  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 54  
**Component:** Wall  
**Substrate:** Ceramic Tile  
**Glaze Coating Condition:** Intact  
**Color:** Light Blue  
**Sample Location:** Lower Level East  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.016  
**Glaze Classification:** LCP



**XRF Reading:** 55  
**Component:** Stair Hand Rail Post  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Black  
**Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 5.0  
**Paint Classification:** LBP



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 56  
**Component:** Stair Hand Rail  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Black  
**Description of Sample Location:** Lower Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 4.6  
**Paint Classification:** **LBP**



**XRF Reading:** 57  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Upper Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 58  
**Component:** Door  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Description of Sample Location:** Upper Section North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



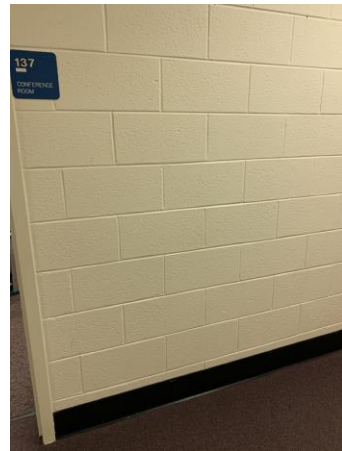


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 59  
**Component:** Door Jamb  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Upper Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 60  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Upper Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 61  
**Component:** Unit Ventilator  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Upper Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND

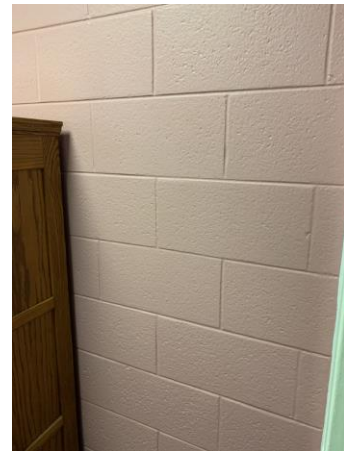


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

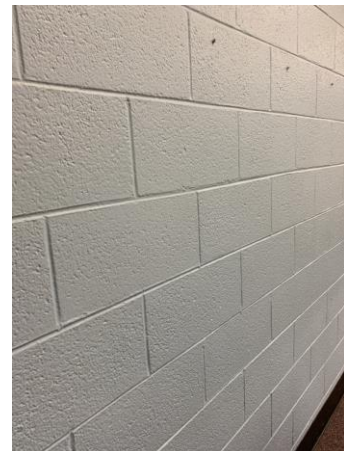
**XRF Reading:** 62  
**Component:** Door  
**Substrate:** Wood  
**Paint Coating Condition:** Intact  
**Color:** Varnish  
**Sample Location:** Upper Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 63  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** Pink  
**Sample Location:** Upper Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.22  
**Paint Classification:** LCP



**XRF Reading:** 64  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** Blue  
**Sample Location:** Upper Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND

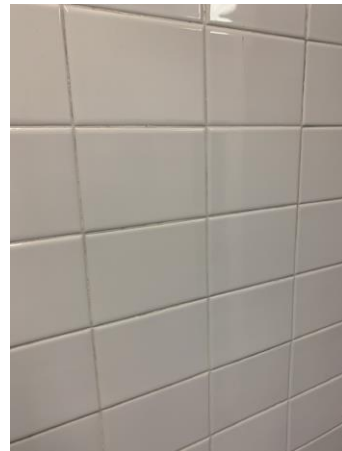


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 65  
**Component:** Floor  
**Substrate:** Ceramic Tile  
**Glaze Coating Condition:** Intact  
**Color:** Blue  
**Sample Location:** Upper Level North Restroom  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 66  
**Component:** Wall  
**Substrate:** Ceramic Tile  
**Glaze Coating Condition:** Intact  
**Color:** White  
**Description of Sample Location:** Upper Level North Restroom  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.015  
**Glaze Classification:** LCP



**XRF Reading:** 67  
**Component:** Wall  
**Substrate:** Ceramic Tile  
**Glaze Coating Condition:** Intact  
**Color:** Black  
**Sample Location:** Upper Level North Restroom  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 5.0  
**Glaze Classification:** LBP



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 68  
**Component:** Wall  
**Substrate:** CMU  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Upper Level South  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 69  
**Component:** Door  
**Substrate:** Wood  
**Paint Coating Condition:** Intact  
**Color:** Varnish  
**Sample Location:** Upper Level South  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 70  
**Component:** Door Jamb  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Upper Level South  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.019  
**Paint Classification:** LCP



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

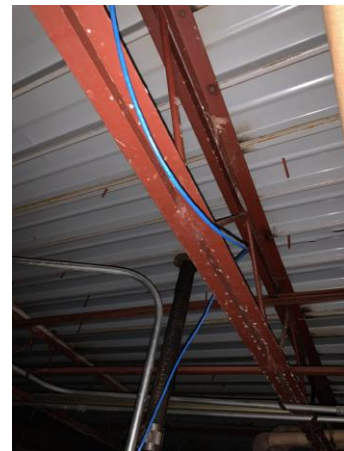
**XRF Reading:** 71  
**Component:** Unit Ventilator  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Upper Level South  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 72  
**Component:** Ceiling Grid  
**Substrate:** Metal  
**Paint Coating Condition:** Intact  
**Color:** Tan  
**Description of Sample Location:** Upper Level South  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND

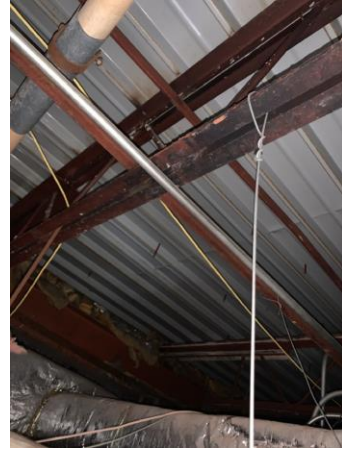


**XRF Reading:** 73  
**Component:** Structural Steel Beam  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Red  
**Sample Location:** Upper Level North  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.008  
**Paint Classification:** LCP



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 74  
**Component:** Structural Steel Beam  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Black  
**Description of Sample Location:** Upper Level North  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 75  
**Component:** Exterior Lamp Post  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** Black  
**Sample Location:** Exterior  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 3.9  
**Paint Classification:** **LBP**



**XRF Reading:** 76  
**Component:** Exterior Stair Railing  
**Substrate:** Steel  
**Paint Coating Condition:** Intact  
**Color:** White  
**Sample Location:** Exterior  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.45  
**Paint Classification:** **LCP**

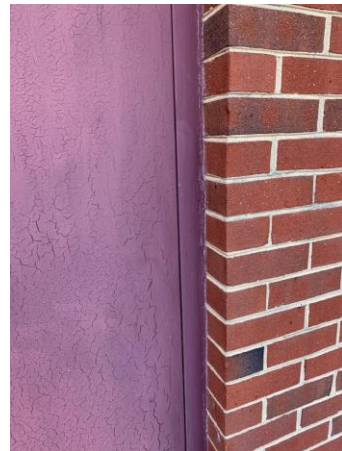


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
XRF LEAD TESTING PHOTOGRAPHIC LOG**

**XRF Reading:** 77  
**Component:** Door Exterior Side  
**Substrate:** Metal  
**Paint Coating Condition:** Fair  
**Color:** Red  
**Sample Location:** Exterior  
**Below Reportable Limit:** yes  
**XRF Result (mg/cm<sup>2</sup>):** ND



**XRF Reading:** 78  
**Component:** Exterior Side Door Frame  
**Substrate:** Metal  
**Paint Coating Condition:** Fair  
**Color:** Red  
**Description of Sample Location:** Exterior  
**Below Reportable Limit:** no  
**XRF Result (mg/cm<sup>2</sup>):** 0.025  
**Paint Classification:** LCP



## Attachment 6 – Waste Inventory Photographic Log

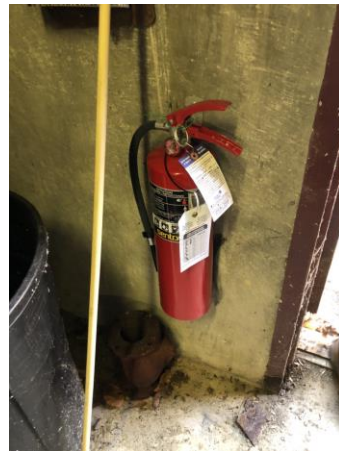


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Boiler Area  
**Description:** Potential Heavy Metal Containing Devices:  
Fluorescent Light Tubes (potential mercury)  
**Quantity:** 8  
**Notes:** 4 Associated ballasts (Potential PCBs)



**Area:** Boiler Area  
**Description:** Potential Refrigerant Containing Devices:  
Fire Extinguisher  
**Quantity:** 1  
**Notes:** N/A



**Area:** Boiler Area  
**Description:** Miscellaneous Electrical Components  
**Quantity:** 15  
**Notes:** N/A



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Boiler Area  
**Description:** Potential Heavy Metal Containing Device:  
Thermostat (potential mercury)  
**Quantity:** 1  
**Notes:** N/A



**Area:** Lower Level  
**Description:** Potential Heavy Metal Containing Devices:  
Fluorescent Light Tubes (potential mercury)  
**Quantity:** 166  
**Notes:** 83 associated ballasts (potential PCBs)



**Area:** Lower Level  
**Description:** Potential Heavy Metal Containing Devices:  
Miscellaneous Computer Equipment  
**Quantity:** 15  
**Notes:** N/A



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Lower Level  
**Description:** Potential Heavy Metal Containing Devices:  
 Miscellaneous Battery Packs  
**Quantity:** 20  
**Notes:** N/A



**Area:** Lower Level  
**Description:** Potential Heavy Metal and/or Radioactive  
 Containing Devices:  
 Exit Signs  
**Quantity:** 3  
**Notes:** N/A

No Image Available

**Area:** Lower Level  
**Description:** Potential Refrigerant Containing Devices:  
 Fire Extinguishers  
**Quantity:** 2  
**Notes:** N/A



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Lower Level  
**Description:** Potential Heavy Metal Containing Devices:  
Thermostats (potential mercury)  
**Quantity:** 9  
**Notes:** N/A



**Area:** Lower Level  
**Description:** Miscellaneous Aerosols  
**Quantity:** 25 Cans  
**Notes:** N/A



**Area:** Lower Level  
**Description:** Miscellaneous Cleaning Supplies  
**Quantity:** 9 Containers  
**Notes:** N/A



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Lower Level  
**Description:** Miscellaneous Solvents  
**Quantity:** 4 Spray Cans  
**Notes:** N/A



**Area:** Lower Level  
**Description:** Compressed Gas Cylinders: Oxygen  
**Quantity:** 4 Cylinders  
**Notes:** N/A



**Area:** Lower Level  
**Description:** Potential Refrigerant Containing Devices:  
Air Conditioner  
**Quantity:** 1  
**Notes:** N/A

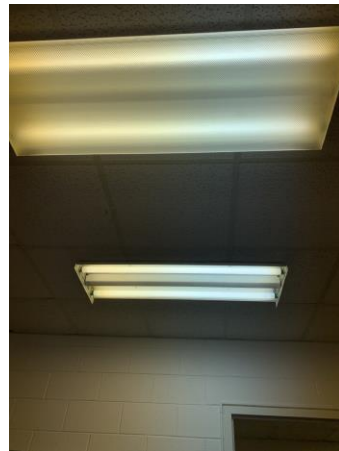


**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Lower Level  
**Description:** Potential PCB Containing Devices: Transformer  
**Quantity:** 1  
**Notes:** N/A



**Area:** Upper Level  
**Description:** Potential Heavy Metal Containing Devices:  
 Fluorescent Light Tubes (potential mercury)  
**Quantity:** 560  
**Notes:** N/A



**Area:** Upper Level  
**Description:** Potential PCB Containing Devices:  
 Light Fixture Ballasts  
**Quantity:** 280  
**Notes:** N/A

No Image Available

**Area:** Upper Level  
**Description:** Potential Heavy Metal and/or Radioactive  
 Devices:  
 Exit Signs  
**Quantity:** 7  
**Notes:** N/A

No Image Available

**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Upper Level  
**Description:** Potential Heavy Metal Containing Devices:  
Thermostats (potential mercury)  
**Quantity:** 30  
**Notes:** N/A



**Area:** Upper and Lower Levels  
**Description:** Potential Heavy Metal Containing Devices:  
Security System and Alarm Batteries (potential mercury)  
**Quantity:** 6  
**Notes:** N/A



**Area:** Upper Level  
**Description:** Potential Refrigerants Containing Devices:  
Fire Extinguishers  
**Quantity:** 7  
**Notes:** N/A



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Upper Level  
**Description:** Potential Refrigerant Containing Devices:  
Water Fountains  
**Quantity:** 2  
**Notes:** N/A



**Area:** Upper Level  
**Description:** Miscellaneous Disinfectants  
**Quantity:** 6 Bottles  
**Notes:** N/A



**Area:** Upper Level  
**Description:** Miscellaneous Cleaning Supplies  
**Quantity:** 25 Bottles  
**Notes:** N/A





**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Upper Level  
**Description:** Miscellaneous Floor Wax  
**Quantity:** 5 Gallons  
**Notes:** N/A



**Area:** Upper Level  
**Description:** Miscellaneous Aerosols  
**Quantity:** 6 Spray Cans  
**Notes:** N/A



**Area:** Upper Level  
**Description:** Potential Refrigerant Containing Devices:  
Retail Floor Coolers  
**Quantity:** 2  
**Notes:** N/A



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Building Exterior  
**Description:** Potential Heavy Metal Containing Devices:  
HID Lamps  
**Quantity:** 10  
**Notes:** N/A



**Area:** Building Exterior  
**Description:** Potential Heavy Metal Containing Devices:  
Emergency Lighting System Batteries  
**Quantity:** 5  
**Notes:** N/A



**Area:** Building Exterior  
**Description:** Potential PCB Containing Devices:  
Transformer  
**Quantity:** 1  
**Notes:** N/A



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
HAZARDOUS MATERIALS INVENTORY PHOTO LOG**

**Area:** Building Exterior

**Description:** Potential Refrigerants Containing Devices:  
Air Conditioner

**Quantity:** 1

**Notes:** N/A



## Attachment 7 – PCB Laboratory Analytical Report

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077  
Telephone: 856-858-4800 Fax:856-786-5974  
EMSL-CIN-01

**EMSL Order ID:** 012352294**LIMS Reference ID:** AB52294**EMSL Customer ID:** OSRC50

March 28, 2023

Frank Delizio  
TRC Exton [OSRC50]  
140 South Village Avenue, Suite 130  
Exton, PA 19341

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 3/14/2023. The results are tabulated on the attached pages for the following client designated project:

**Eastern State Hospital**

The reference number for these samples is EMSL Order #: AB52294 . Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact the lab at 856-858-4800.

---

Owen McKenna Laboratory Manager or other approved signatory

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**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077  
 Telephone: 856-858-4800 Fax:856-786-5974  
 EMSL-CIN-01

**EMSL Order ID:** 012352294**LIMS Reference ID:** AB52294**EMSL Customer ID:** OSRC50

**Attention:** Frank Delizio  
 TRC Exton [OSRC50]  
 140 South Village Avenue, Suite 130  
 Exton, PA 19341  
 (610) 636-2184  
 fdelizio@trccompanies.com

**Project Name:** Eastern State Hospital  
**Customer PO:**  
**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Sample Condition on Receipt****Cooler ID: Default Cooler****Temperature: 21.8 °C**

Custody Seals	Y
Containers Intact	Y
COC/Labels Agree	Y
Preservation Confirmed	Y

**EMSL Analytical, Inc.**

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 EMSL-CIN-01

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**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Samples in this Report**

<b>Lab ID</b>	<b>Sample</b>	<b>Matrix</b>	<b>Date Sampled</b>	<b>Date Received</b>
AB52294-01	PCB-1-Roof Seam Sealant	Solid	03/09/2023	03/14/2023
AB52294-02	PCB-2-Roof Unit Sealant	Solid	03/09/2023	03/14/2023
AB52294-03	PCB-3-Exterior Panel Caulk	Solid	03/09/2023	03/14/2023
AB52294-04	PCB-4-Exterior window caulk	Solid	03/09/2023	03/14/2023
AB52294-05	PCB-5-Exterior door caulk	Solid	03/09/2023	03/14/2023



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**Customer PO:**  
**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Positive Hits Summary**

Lab ID	Client ID				Sampled
<b>AB52294-02</b>	PCB-2-Roof Unit Sealant				03/09/23 00:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
SW 846-8082A	Aroclor-1254	1.4		mg/kg	03/23/2023 16:41
<b>Lab ID</b>	<b>Client ID</b>				<b>Sampled</b>
<b>AB52294-03</b>	PCB-3-Exterior Panel Caulk				03/09/23 00:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
SW 846-8082A	Aroclor-1254	620	D	mg/kg	03/24/2023 21:25
<b>Lab ID</b>	<b>Client ID</b>				<b>Sampled</b>
<b>AB52294-04</b>	PCB-4-Exterior window caulk				03/09/23 00:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
SW 846-8082A	Aroclor-1254	19	D	mg/kg	03/24/2023 21:44
<b>Lab ID</b>	<b>Client ID</b>				<b>Sampled</b>
<b>AB52294-05</b>	PCB-5-Exterior door caulk				03/09/23 00:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
SW 846-8082A	Aroclor-1254	4.6		mg/kg	03/24/2023 20:10

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LIMS Reference ID: AB52294

EMSL Customer ID: OSRC50

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**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
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**Sample Results**

**Sample: PCB-1-Roof Seam Sealant**  
**AB52294-01 (Solid)**

Analyte	Result	Q	DF	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
<b>GC-SVOA</b>											
Aroclor-1016	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1221	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1232	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1242	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1248	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1254	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1260	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1262	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1268	ND		1	0.96		mg/kg	03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
<b>Surrogate(s)</b>	<b>Recovery</b>	<b>Q</b>		<b>Limits</b>							
<i>Surrogate: Tetrachloro-m-xylene</i>	72%			21-123			03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A
<i>Surrogate: Decachlorobiphenyl</i>	72%			17-128			03/22/23 11:27	03/23/23 16:21	RAG/AJ	SW846 3540C	SW 846-8082A



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**LIMS Reference ID:** AB52294

**EMSL Customer ID:** OSRC50

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 Exton, PA 19341  
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 fdelizio@trccompanies.com

**Project Name:** Eastern State Hospital  
**Customer PO:**  
**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Sample Results**

(Continued)

**Sample: PCB-2-Roof Unit Sealant**  
**AB52294-02 (Solid)**

Analyte	Result	Q	DF	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
<b>GC-SVOA</b>											
Aroclor-1016	ND		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1221	ND		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1232	ND		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1242	ND		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1248	ND		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
<b>Aroclor-1254</b>	<b>1.4</b>		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1260	ND		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1262	ND		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
Aroclor-1268	ND		1		0.25	mg/kg	03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
<b>Surrogate(s)</b>	<b>Recovery</b>	<b>Q</b>		<b>Limits</b>							
<i>Surrogate: Tetrachloro-m-xylene</i>	68%			21-123			03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A
<i>Surrogate: Decachlorobiphenyl</i>	75%			17-128			03/22/23 11:27	03/23/23 16:41	RAG/AJ	SW846 3540C	SW 846-8082A

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**EMSL Order ID:** 012352294

**LIMS Reference ID:** AB52294

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 Exton, PA 19341  
 (610) 636-2184  
 fdelizio@trccompanies.com

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**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Sample Results**

(Continued)

**Sample: PCB-3-Exteriior Panel Caulk**  
**AB52294-03 (Solid)**

Analyte	Result	Q	DF	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
<b>GC-SVOA</b>											
Aroclor-1016	ND	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1221	ND	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1232	ND	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1242	ND	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1248	ND	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
<b>Aroclor-1254</b>	<b>620</b>	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1260	ND	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1262	ND	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1268	ND	D	400		98	mg/kg	03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
<b>Surrogate(s)</b>	<b>Recovery</b>	<b>Q</b>			<b>Limits</b>						
<i>Surrogate: Tetrachloro-m-xylene</i>	90%				21-123		03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A
<i>Surrogate: Decachlorobiphenyl</i>	118%				17-128		03/22/23 11:27	03/24/23 21:25	RAG/tl	SW846 3540C	SW 846-8082A

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**LIMS Reference ID:** AB52294

**EMSL Customer ID:** OSRC50

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 Exton, PA 19341  
 (610) 636-2184  
 fdelizio@trccompanies.com

**Project Name:** Eastern State Hospital  
**Customer PO:**  
**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Sample Results**

(Continued)

**Sample: PCB-4-Exterior window caulk**  
**AB52294-04 (Solid)**

Analyte	Result	Q	DF	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
<b>GC-SVOA</b>											
Aroclor-1016	ND	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1221	ND	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1232	ND	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1242	ND	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1248	ND	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
<b>Aroclor-1254</b>	<b>19</b>	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1260	ND	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1262	ND	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1268	ND	D	20		4.9	mg/kg	03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
<b>Surrogate(s)</b>	<b>Recovery</b>	<b>Q</b>			<b>Limits</b>						
<i>Surrogate: Tetrachloro-m-xylene</i>	59%				21-123		03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A
<i>Surrogate: Decachlorobiphenyl</i>	66%				17-128		03/22/23 11:27	03/24/23 21:44	RAG/tl	SW846 3540C	SW 846-8082A

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**EMSL Customer ID:** OSRC50

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**Project Name:** Eastern State Hospital  
**Customer PO:**  
**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Sample Results**

(Continued)

**Sample: PCB-5-Exterior door caulk**  
**AB52294-05 (Solid)**

Analyte	Result	Q	DF	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
<b>GC-SVOA</b>											
Aroclor-1016	ND		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1221	ND		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1232	ND		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1242	ND		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1248	ND		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
<b>Aroclor-1254</b>	<b>4.6</b>		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1260	ND		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1262	ND		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
Aroclor-1268	ND		1	0.24		mg/kg	03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
<b>Surrogate(s)</b>	<b>Recovery</b>	<b>Q</b>		<b>Limits</b>							
<i>Surrogate: Tetrachloro-m-xylene</i>	37%			21-123			03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A
<i>Surrogate: Decachlorobiphenyl</i>	39%			17-128			03/22/23 11:27	03/24/23 20:10	RAG/tl	SW846 3540C	SW 846-8082A

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**EMSL Order ID:** 012352294

**LIMS Reference ID:** AB52294

**EMSL Customer ID:** OSRC50

**Attention:** Frank Delizio  
 TRC Exton [OSRC50]  
 140 South Village Avenue, Suite 130  
 Exton, PA 19341  
 (610) 636-2184  
 fdelizio@trccompanies.com

**Project Name:** Eastern State Hospital  
**Customer PO:**  
**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Quality Control**

**GC-SVOA**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	-------------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------

**Batch: BBC0222 - SW846 3540C**

**Blank (BBC0222-BLK1)**

Prepared: 3/22/2023 Analyzed: 3/23/2023

Aroclor-1016	ND	0.25	mg/kg						
Aroclor-1016 [2C]	ND	0.25	mg/kg						
Aroclor-1221	ND	0.25	mg/kg						
Aroclor-1221 [2C]	ND	0.25	mg/kg						
Aroclor-1232	ND	0.25	mg/kg						
Aroclor-1232 [2C]	ND	0.25	mg/kg						
Aroclor-1242	ND	0.25	mg/kg						
Aroclor-1242 [2C]	ND	0.25	mg/kg						
Aroclor-1248	ND	0.25	mg/kg						
Aroclor-1248 [2C]	ND	0.25	mg/kg						
Aroclor-1254	0.147 J	0.25	mg/kg						
Aroclor-1254 [2C]	0.110 J	0.25	mg/kg						
Aroclor-1260	ND	0.25	mg/kg						
Aroclor-1260 [2C]	ND	0.25	mg/kg						
Aroclor-1262	ND	0.25	mg/kg						
Aroclor-1262 [2C]	ND	0.25	mg/kg						
Aroclor-1268	ND	0.25	mg/kg						
Aroclor-1268 [2C]	ND	0.25	mg/kg						

**Surrogate(s)**

Surrogate: Tetrachloro-m-xylene	0.5000	74	21-123
Surrogate: Decachlorobiphenyl	0.5000	83	17-128

**Blank (BBC0222-BLK2)**

Prepared: 3/22/2023 Analyzed: 3/24/2023

Aroclor-1016	ND	0.25	mg/kg						
Aroclor-1016 [2C]	ND	0.25	mg/kg						
Aroclor-1221	ND	0.25	mg/kg						
Aroclor-1221 [2C]	ND	0.25	mg/kg						
Aroclor-1232	ND	0.25	mg/kg						
Aroclor-1232 [2C]	ND	0.25	mg/kg						
Aroclor-1242	ND	0.25	mg/kg						
Aroclor-1242 [2C]	ND	0.25	mg/kg						
Aroclor-1248	ND	0.25	mg/kg						
Aroclor-1248 [2C]	ND	0.25	mg/kg						
Aroclor-1254	0.0714 J	0.25	mg/kg						
Aroclor-1254 [2C]	0.0703 J	0.25	mg/kg						
Aroclor-1260	ND	0.25	mg/kg						
Aroclor-1260 [2C]	ND	0.25	mg/kg						
Aroclor-1262	ND	0.25	mg/kg						
Aroclor-1262 [2C]	ND	0.25	mg/kg						
Aroclor-1268	ND	0.25	mg/kg						
Aroclor-1268 [2C]	ND	0.25	mg/kg						

**Surrogate(s)**

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted."


**EMSL Analytical, Inc.**

 200 Route 130, Cinnaminson, NJ, 08077  
 Telephone: 856-858-4800 Fax: 856-786-5974  
 EMSL-CIN-01

**EMSL Order ID:** 012352294

**LIMS Reference ID:** AB52294

**EMSL Customer ID:** OSRC50

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**Quality Control**  
 (Continued)

**GC-SVOA (Continued)**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch: BBC0222 - SW846 3540C (Continued)**
**Blank (BBC0222-BLK2)**

Prepared: 3/22/2023 Analyzed: 3/24/2023

**Surrogate(s)**

<i>Surrogate: Tetrachloro-m-xylene</i>	0.5000	37	21-123
<i>Surrogate: Decachlorobiphenyl</i>	0.5000	50	17-128

**LCS (BBC0222-BS1)**

Prepared: 3/22/2023 Analyzed: 3/23/2023

Aroclor-1016	3.92	0.25	mg/kg	5.000	78	37-120
Aroclor-1260	4.79	0.25	mg/kg	5.000	96	45-121

**Surrogate(s)**

<i>Surrogate: Tetrachloro-m-xylene</i>	0.5000	82	21-123
<i>Surrogate: Decachlorobiphenyl</i>	0.5000	87	17-128

**LCS (BBC0222-BS2)**

Prepared: 3/22/2023 Analyzed: 3/24/2023

Aroclor-1016	2.59	0.25	mg/kg	5.000	52	37-120
Aroclor-1260	3.21	0.25	mg/kg	5.000	64	45-121

**Surrogate(s)**

<i>Surrogate: Tetrachloro-m-xylene</i>	0.5000	35	21-123
<i>Surrogate: Decachlorobiphenyl</i>	0.5000	63	17-128

**Matrix Spike (BBC0222-MS2)**
**Source: AB52294-05**

Prepared: 3/22/2023 Analyzed: 3/24/2023

Aroclor-1016	1.91	0.25	mg/kg	4.902	ND	39	30-133
Aroclor-1260	3.08	0.25	mg/kg	4.902	ND	63	30-134

**Surrogate(s)**

<i>Surrogate: Tetrachloro-m-xylene</i>	0.4902	32	21-123
<i>Surrogate: Decachlorobiphenyl</i>	0.4902	34	17-128

**Matrix Spike Dup (BBC0222-MSD2)**
**Source: AB52294-05**

Prepared: 3/22/2023 Analyzed: 3/24/2023

Aroclor-1016	2.49	0.25	mg/kg	4.902	ND	51	30-133	26	28
Aroclor-1260	5.05 RO	0.25	mg/kg	4.902	ND	103	30-134	48	28

**Surrogate(s)**

<i>Surrogate: Tetrachloro-m-xylene</i>	0.4902	30	21-123
<i>Surrogate: Decachlorobiphenyl</i>	0.4902	54	17-128



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 EMSL-CIN-01

**EMSL Order ID:** 012352294**LIMS Reference ID:** AB52294**EMSL Customer ID:** OSRC50

**Attention:** Frank Delizio  
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**Project Name:** Eastern State Hospital  
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**Certified Analyses included in this Report**

Analyte	CAS #	Certifications
<b>SW 846-8082A in Solid</b>		
Aroclor-1016	12674-11-2	NJDEP,NYSDOH,PADEP,California ELAP
Aroclor-1221	11104-28-2	NJDEP,NYSDOH,PADEP,California ELAP
Aroclor-1232	11141-16-5	NJDEP,NYSDOH,PADEP,California ELAP
Aroclor-1242	53469-21-9	NJDEP,NYSDOH,PADEP,California ELAP
Aroclor-1248	12672-29-6	NJDEP,NYSDOH,PADEP,California ELAP
Aroclor-1254	11097-69-1	NJDEP,NYSDOH,PADEP,California ELAP
Aroclor-1254 [2C]	11097-69-1	NJDEP,NYSDOH,PADEP,California ELAP
Aroclor-1260	11096-82-5	NJDEP,NYSDOH,PADEP,California ELAP
Aroclor-1262	37324-23-5	NJDEP,NYSDOH,PADEP
Aroclor-1268	11100-14-4	NJDEP,NYSDOH,PADEP

**List of Certifications**

Code	Description	Number	Expires
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2023
California ELAP	California Water Boards	1877	06/30/2024
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2023
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2023
NYSDOH	New York State Department of Health	10872	04/01/2023
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2023

Please see the specific Field of Testing (FOT) on [www.emsl.com](http://www.emsl.com) <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.

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 EMSL-CIN-01

**EMSL Order ID:** 012352294**LIMS Reference ID:** AB52294**EMSL Customer ID:** OSRC50

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**Project Name:** Eastern State Hospital  
**Customer PO:**  
**EMSL Sales Rep:** Gary Perlmutter  
**Received:** 03/14/2023 09:00  
**Reported:** 03/28/2023 16:54

**Notes and Definitions**

<b>Item</b>	<b>Definition</b>
D	Analyte was reported from a dilution run.
J	Estimated value. The result is less than the RL but above the MDL.
RO	RPD for this compound was outside of the control limits.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
Q	Qualifier
RL	Reporting Limit
%REC	Percent Recovery
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.



### Environmental Chemistry Chain of Custody

EMSL Order Number (Lab Use Only):

4B52294

Job# 7

017305.0000.0000

PHONE:

FAX:

CC 7

astorytrcompanies.com

Report To Contact Name: <u>Frank Delizio</u>				Bill To Company: <u>TRC</u>						
Company Name: <u>TRC</u>				Attention To: <u>B. Sariano</u>						
Street: <u>140 South Village Ave</u>				Street: <u>140 South Village Ave</u>						
City: <u>Exton</u>		State/Province: <u>PA</u>		City: <u>Exton</u>		State/Province: <u>PA</u>				
Zip/Postal Code: <u>19341</u>				Zip/Postal Code: <u>19341</u>						
Phone: _____ Fax: _____				Phone: _____ Fax: _____						
Project Name: <u>Eastern State Hospital / 017305.0000.0000</u>				Email Results To: <u>fdelizio@trcompanies.com</u>						
Purchase Order: _____				Date of Shipment: <u>NA</u>						
U.S. State where Samples Collected: <u>Virginia</u>				Number of Samples in Shipment: <u>NA</u>						
Sample for Compliance? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, NPDES? <input type="checkbox"/> Other (Specify): _____				PWS ID #: _____		State Reporting Required? (Y/N) <u>N</u>				
Samples Collected by: EMSL <input type="checkbox"/> Client <input checked="" type="checkbox"/> check one				Sampled By (Signature): <u>Frank Delizio</u>		Samples Received Chilled? (Y/N) <u>N</u>				
Standard Turnaround Time: <input type="checkbox"/> 2 Weeks				The following TATs are subject to (lab) approval: <input type="checkbox"/> 1 Week <input type="checkbox"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day						
Failure to complete will hinder processing of samples				Matrix		Preservative				
List Test(s) Needed										
Client Sample ID	Comp	Grab	Collect Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	Field pH	Field pH Test Time	Field Temp. Deg C	Field Temp. Test Time	Comments
PCB-1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3-9-23	O	None					Roof seam sealant
PCB-2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	↓	↓	↓					Roof unit sealant
PCB-3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	↓	↓	↓					Exterior Panel caulk
PCB-4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	↓	↓	↓					Exterior window caulk
PCB-5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	↓	↓	↓					Exterior door caulk
Released By (Signature): <u>Frank Delizio</u>				Date & Time: <u>3-13-23</u>		Received By: <u>E. Sariano</u>				Date & Time: <u>3/14/23 9 am</u>
Please indicate reporting requirements: <input checked="" type="checkbox"/> Results Only <input type="checkbox"/> Results and QC <input type="checkbox"/> Reduced Deliverables <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other _____										
Instructions or Comments:										

Note: Field pH and Field Temperature are tested on the same day as the date of sample collection.

(Lab) Received Temperature: 21.8 °C

Page 1 of 1 pages

Rec. in plastic bag

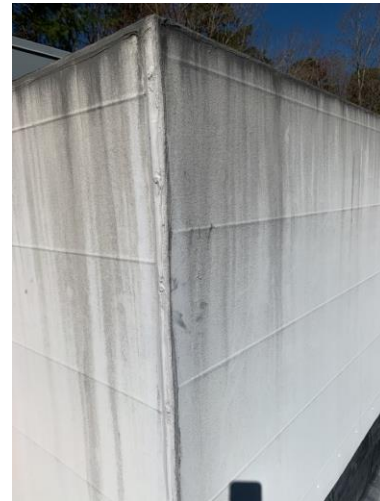
## Attachment 8 – PCB Survey Photographic Log

**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
SUSPECT PCB PHOTOGRAPHIC LOG**

**Sample Number:** PCB-1  
**Material Location:** Exterior  
**Material Description:** Black Roof Seam Sealant  
**Substrate Adjacent to Material:** Roof membrane  
**Ground Cover Below Material:** Soil  
**Reporting Limit (mg/kg): 0.96**  
**Result (mg/kg):**  
 Aroclor 1016 – ND  
 Aroclor 1221 – ND  
 Aroclor 1232 – ND  
 Aroclor 1242 – ND  
 Aroclor 1248 – ND  
 Aroclor 1254 – ND  
 Aroclor 1260 – ND  
 Aroclor 1262 – ND  
 Aroclor 1268 – ND

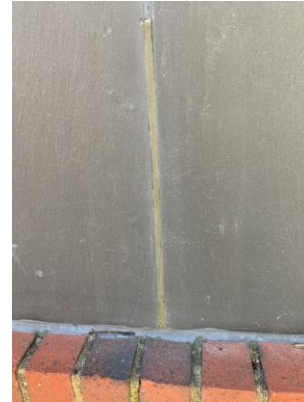


**Sample Number:** PCB-2  
**Material Location:** Exterior  
**Material Description:** White Roof Unit Sealant  
**Substrate Adjacent to Material:** Roof Membrane  
**Ground Cover Below Material:** Soil  
**Reporting Limit (mg/kg):**  
**Result (mg/kg): 0.25**  
 Aroclor 1016 – ND  
 Aroclor 1221 – ND  
 Aroclor 1232 – ND  
 Aroclor 1242 – ND  
 Aroclor 1248 – ND  
 Aroclor 1254 – 1.4  
 Aroclor 1260 – ND  
 Aroclor 1262 – ND  
 Aroclor 1268 – ND



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA**  
**SUSPECT PCB PHOTOGRAPHIC LOG**

**Sample Number:** PCB-3  
**Material Location:** Exterior  
**Material Description:** Exterior Panel Caulk  
**Substrate Adjacent to Material:** Brick  
**Ground Cover Below Material:** Soil  
**Reporting Limit (mg/kg): 98**  
**Result (mg/kg):**  
 Aroclor 1016 – ND  
 Aroclor 1221 – ND  
 Aroclor 1232 – ND  
 Aroclor 1242 – ND  
 Aroclor 1248 – ND  
 Aroclor 1254 – **620**  
 Aroclor 1260 – ND  
 Aroclor 1262 – ND  
 Aroclor 1268 – ND



**Sample Number:** PCB-4  
**Material Location:** Exterior  
**Material Description:** Exterior Window Caulk  
**Substrate Adjacent to Material:** Brick  
**Ground Cover Below Material:** Soil  
**Reporting Limit (mg/kg): 4.9**  
**Result (mg/kg):**  
 Aroclor 1016 – ND  
 Aroclor 1221 – ND  
 Aroclor 1232 – ND  
 Aroclor 1242 – ND  
 Aroclor 1248 – ND  
 Aroclor 1254 – **19**  
 Aroclor 1260 – ND  
 Aroclor 1262 – ND  
 Aroclor 1268 – ND



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA  
SUSPECT PCB PHOTOGRAPHIC LOG**

**Sample Number:** PCB-5

**Material Location:** Exterior

**Material Description:** Exterior Door Caulk

**Substrate Adjacent to Material:** Brick

**Ground Cover Below Material:** Concrete

**Reporting Limit (mg/kg): 0.24**

**Result (mg/kg):**

Aroclor 1016 – ND

Aroclor 1221 – ND

Aroclor 1232 – ND

Aroclor 1242 – ND

Aroclor 1248 – ND

Aroclor 1254 – **4.6**

Aroclor 1260 – ND

Aroclor 1262 – ND

Aroclor 1268 – ND



## Attachment 9 – Site Overview Photographic Log



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA-  
OVERVIEW PHOTOGRAPHIC LOG**



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA-  
OVERVIEW PHOTOGRAPHIC LOG**



**EASTERN STATE HOSPITAL BUILDING 3 WILLIAMSBURG VIRGINIA-  
OVERVIEW PHOTOGRAPHIC LOG**

