

HAZARDOUS MATERIALS CONSULTING SERVICES

**Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451**

Prepared for

**City of Virginia Beach
Municipal Center – Building 23
2473 N. Landing Road
Virginia Beach, VA 23456
ATTN: Mr. Mike Bumbaco, P.E.**

Prepared by



**Karen I. Kruebbe, REM and Brian C. Parker, REM, AIHA, SC
Parker Environmental Consulting Services, LLC**

**2109 Thoroughgood Road
Unit #5837
Virginia Beach, VA 23455**

Date: November 3, 2021



November 3, 2021

City of Virginia Beach
Municipal Center – Building 23
2473. N. Landing Road
Virginia Beach, VA 23456

Attention: Mr. Mike Bumbaco, P.E.

Subject: Hazardous Materials Consulting Services
Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451

Parker Environmental Consulting Services, LLC (PECS) is pleased to provide this Pre-Renovation Asbestos and Lead Survey for the subject property, located at 302 22nd Street. These services were performed in accordance with the Annual Services Contract for Environmental Engineering Services - Contract Number PWCN-18-0142.

PECS appreciates the opportunity to serve as your consultant on this project and trusts that you will contact us at your convenience with any questions you may have concerning this report or the project in general.

Sincerely,

Parker Environmental Consulting Services, LLC

A handwritten signature in blue ink that reads "Karen I. Kruebbe".

Karen I. Kruebbe, REM
Partner

A handwritten signature in black ink that reads "Brian C. Parker".

Brian C. Parker, REM, AIHA, SC
Partner

1.0 REPORT

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1.0 REPORT

1.1 PROJECT DESCRIPTION

It is understood that 302 22nd Street is undergoing renovations. Prior to renovation, existing hazardous materials must be identified and appropriate precautions taken prior to their disturbance in order to protect workers and the environment. The proposed renovation work will require removing and replacing existing interior and exterior finishes at 302 22nd Street. Based on City records, the original structure was constructed in 1927. Additions were added to the south of the original structure in 1941 and 1948.

Samples were taken of homogeneous materials that will be disturbed during the renovation process. These materials included: sheetgood and mastic, floor filler, floor tile, subflooring, skim coat, wall and ceiling plaster, window and door caulk, drywall, acoustic ceiling tile, acoustic ceiling tile adhesive, drop ceiling tile, siding, roof tar, slate shingle, roof adhesive, duct mortar, wall mortar, window glazing, joint compound, pipe lagging and insulation. Destructive activities such as breaking into walls were not performed in order to obtain samples. Therefore, if during the renovation process suspect hazardous materials are uncovered, they must be properly addressed before work can resume.

1.2 ASBESTOS BULK SAMPLING

On October 20, 2021, 88 bulk samples of suspect asbestos-containing materials (ACM) were collected by Brian Parker, Occupational Hygienist of PECS. Samples of suspect ACM were collected on the interior and exterior of the structure. The attached Table 1 lists the sample materials, sample location, and laboratory results. As the sample results indicate, asbestos was detected in the following materials:

302 22nd Street, 1st Floor

9" Gray floor tile and mastic (Equipment Room/top layer)

Gray floor tile (Kitchen/middle layer)

White pipe lagging and insulation (Boiler Room)

Gray siding (Exterior)

302 22nd Street, Basement

White pipe insulation

Samples were analyzed using polarized light microscopy (PLM) and dispersion staining techniques. The analytical method was conducted in accordance with the Environmental Protection Agency 40CFR App E to Sub E of Part 763 & EPA Method 600/R-93/116 and EPA Method 600/M4-82/020. Analysis was performed by Environmental Hazards Services, LLC, a National Voluntary Laboratory Accreditation Program (NVLAP) participant (NVLAP Number 101882-0). Note that items such as fire doors are presumed to contain asbestos based on previous reporting; therefore, samples of these materials were not collected, in order to preserve the integrity of the fire doors.

1.2.1 Asbestos Discussion

The EPA defines ACM as any material that contains greater than 1% asbestos by weight. Under the National Emissions Standard for Hazardous Air Pollutants (NESHAPs), all friable ACM must be removed by a license asbestos abatement contractor prior to renovation. **Friable ACM was detected in the samples collected.**

Pipe lagging and insulation are considered friable asbestos containing Thermal System Insulation under NESHAP. Under NESHAP, all friable ACM or material that may become friable must be removed if it will be disturbed during the renovation activities. These materials include pipe lagging and insulation, identified in the 1st Floor Boiler Room and in the Basement of the subject property. Abatement will require a negative air enclosure, critical barriers, project monitoring and disposal of waste materials at a landfill that accepts friable asbestos.

Floor tile and mastic are considered Category I non-friable ACM. Removal of Category I non-friable ACM is not required, prior to renovation, if the material is not going to be disturbed during planned renovation. Wet methods must be used during the renovation activities where identified ACM are to be disturbed. Additionally, all associated renovation debris must be considered asbestos containing and be taken to a landfill that accepts Category I non-friable ACM. However, the contractor may have the option of removing all ACM prior to renovation, which would allow the balance of the renovation debris to be classified as regular construction waste, therefore allowing recycling.

Siding is considered Category II non-friable ACM. Removal of Category II non-friable ACM is not required, prior to renovation, if the material is not going to be disturbed during planned renovation. Wet methods must be used during the renovation activities where identified ACM are to be disturbed. Additionally, all associated renovation debris must be considered asbestos containing and be taken to a landfill that accepts Category II non-friable ACM. However, the contractor may have the option of removing all ACM prior to renovation, which would allow the balance of the renovation debris to be classified as regular construction waste, therefore allowing recycling.

All asbestos abatement work shall be performed in accordance with Federal, State and local regulations including but not limited to:

29 CFR 1926.1101 - Asbestos

40 CFR 61 - National Emission Standards for Hazardous Air Pollutants

9 VAC 20-81 - Virginia Solid Waste Management Regulations

18 VAC 15-20 - Virginia Asbestos Licensing Regulations

1.3 PAINT SAMPLING

On October 20, 2021, eight (8) paint chip samples were collected by Brian Parker of PECS. Table 2 lists the samples collected and laboratory results. The purpose of the sampling was to obtain representative data on the concentrations of cadmium, chromium and lead in the existing painted surfaces. The samples were analyzed for lead using flame atomic absorption (AA) in accordance with Method SW-846, 7000B. Analysis was performed by Environmental Hazards Services, LLC, an NVLAP participant (NVLAP Certification: 101882-0). The samples were also analyzed for cadmium and chromium using inductively

coupled plasma (ICP) emission spectroscopy (SW-846, 6010B) by Environmental Hazards Services, LLC. The attached Table 2 lists the sample materials, sample location, and laboratory results. As the sample results indicate, cadmium, chromium and/or lead were detected in the paint samples detailed below:

302 22nd Street, 1st Floor

Cream window paint (1st Floor Exterior West Window)

Black railing paint (1st Floor Exterior West Railing)

Cream siding paint (1st Floor Exterior West Siding)

White wall paint (1st Floor Interior Wall)

Green window trim paint (1st Floor Interior S Room)

White wall paint (1st Floor Interior Boiler Room)

302 22nd Street, 2nd Floor

Off-white wall paint (2nd Floor Interior SW Office)

White window paint (2nd Floor Interior Stairwell Window)

1.3.1 Cadmium, Chromium, and Lead Paint Discussion

There are two frequently used standards to define lead-based paint (LBP), the Consumer Product and Safety Commission (CPSC) and HUD. In 1978, the CPSC, acting under the authority of the Consumer Product Safety Act, banned the sale of paint containing more than 0.06% lead by weight to consumers. The Consumer Product Safety Improvement Act of 2008 lowered the concentration of lead in paint that is permissible from 0.06% (600 parts per million or ppm) to the new limit of 0.009% (90 ppm), for specific paints and products. Paint which contains more than 0.009% lead by weight is defined as lead containing paint (LCP).

HUD defines LBP as any paint, varnish, shellac, or other coating that contains lead equal to or greater than 1.0 milligrams per square centimeter (mg/cm²) as measured by X-ray fluorescence (XRF) analyzer or laboratory analysis, or 0.5% by weight as measured by laboratory analysis.

The OSHA Lead in Construction Standard (29 CFR 1926.62) does not define lead-based paint. **However, to comply with OSHA, all painted surfaces with a lead concentration at or above the laboratory's minimum detection limit (MDL) should be considered lead containing.** Compliance with this standard is required even for paints with less than 0.5% or 0.009% lead by weight. Therefore, painted surfaces exceeding the MDL should not be disturbed without taking the appropriate precautions when performing certain high risk tasks. Activities such as scraping, sanding, welding/torching and disturbance of painted surfaces could potentially release leaded dust. OSHA has categorized the following high risks tasks into three groups:

Group 1:

manual demolition
manual scraping
heat-gun applications
power tool cleaning with dust collection system
spray paint with lead-based paints

Group 2:

lead burning using lead-containing mortar
power tool cleaning without dust collection system
rivet blasting
cleanup activities where dry expendable abrasives are used
movement and removal of abrasive blasting enclosures

Group 3:

abrasive blasting
welding, cutting and burning on steel structure

Sampling results for lead paint indicated that seven (7) of the eight (8) samples collected and analyzed were found to have a lead concentration above the laboratory's minimum MDL.

- Three of the samples (Samples #1, 5 and 7 are considered to be LBP (>0.5% by weight).
- Three of the samples (Samples #3, 4 and 8) collected and analyzed were found to have a lead concentration that is >0.009 % and <0.5% by weight. The samples are considered as lead containing paint (LCP).
- One sample (Sample # 6) was found to have a concentration < 0.009%.

The permissible exposure limit (PEL) established by OSHA is 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for lead. If the PEL is exceeded, appropriate measures must be taken to reduce the hazard and provide training and personal protective equipment.

The PEL is an airborne measurement to address worker exposure. There is no direct correlation between lead concentrations in paint and worker exposure. Only when these concentrations are below the laboratory's MDL is worker exposure not an issue.

Paints containing cadmium and chromium are often found as protective coatings on structural steel or exterior coatings on metal surfaces. These paints tend to be red, yellow or orange and are typically the first layer. The bulk paint chip samples were also tested for cadmium and chromium. Sampling results for cadmium and chromium revealed that six (6) of the eight (8) samples collected and analyzed identified cadmium and/or chromium as follows:

- Three of the samples (Samples #2, 5 and 7) indicated concentrations above the MDL for cadmium and chromium.
- Two of the samples (Samples #1 and 3) indicated concentrations above the MDL for cadmium only.

- One of the samples (Sample #4) indicated a concentration above the MDL for chromium only.
- Two of the samples (Samples #6 and 8) were both below the MDL for cadmium and chromium.

The National Institute for Occupational Safety and Health (NIOSH) identifies cadmium and chromium as confirmed carcinogens. Construction Standards established by OSHA for chromium, cadmium and lead are:

Cadmium	29 CFR 1926.1127
Chromium	29 CFR 1926.1126
Lead	29 CFR 1926.62

The permissible exposure limits (PEL) established by OSHA are 5 micrograms per cubic meter or 5 $\mu\text{g}/\text{m}^3$ for cadmium, 5 $\mu\text{g}/\text{m}^3$ for chromium (chromates) and 50 $\mu\text{g}/\text{m}^3$ for lead. If the PEL is exceeded, appropriate measures must be taken to reduce the hazard and provide training and personal protective equipment.

The PEL is an airborne measurement to address worker exposure. There is no direct correlation between cadmium, chromium and lead, concentrations in paint and worker exposure. Only when these concentrations are below the laboratory's MDL is worker exposure not an issue.

1.3.2 Waste Classification for Painted Building Components

Building components and renovation waste streams which are painted must be properly characterized prior to disposal. The EPA Resource Conservation and Recovery Act (RCRA) regulations establish the limits for RCRA leachable metals (lead, etc.). Leachable metals mean the amount of metals likely to leach from the waste into the surrounding soil/groundwater system of a landfill. The leachable concentration of chemicals in a waste stream is determined by an analytical method called the toxicity characteristic leachate procedure (TCLP). Waste stream TCLP concentrations that equal or exceed the RCRA limits must be transported to a hazardous waste treatment, storage, or disposal facility. Precautions should be implemented to prevent the storage of any hazardous waste for more than 90 days. Specific permits are necessary to store hazardous waste in excess of 90 days.

Attachments - Bulk Sample Results/Laboratory Sheets
Sample Location Map
Photographic Documentation
Licensure

2.0 BULK SAMPLE RESULTS/LABORATORY SHEETS

**Asbestos Bulk Sample Results
302 22nd Street**

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE MATERIAL	% & TYPE ASBESTOS
1	2 nd Floor Stairwell	Gray sheetgood and mastic	None Detected
2	2 nd Floor Stairwell	Gray sheetgood and mastic	None Detected
3	2 nd Floor SW Office	White skim coat	None Detected
4	2 nd Floor SW Office	White skim coat	None Detected
5	2 nd Floor SW Office	Gray wall plaster	None Detected
6	2 nd Floor SW Office	Gray wall plaster	None Detected
7	2 nd Floor SW Office	White window caulk (interior)	None Detected
8	2 nd Floor SW Office	White window caulk (interior)	None Detected
9	2 nd Floor SW Office	Gray sheetgood and mastic	None Detected
10	2 nd Floor SW Office	Gray sheetgood and mastic	None Detected
11	2 nd Floor SW Office	Black subflooring	None Detected
12	2 nd Floor SW Office	Black subflooring	None Detected
13	2 nd Floor NE Office	Gray ceiling plaster and white skim coat	None Detected
14	2 nd Floor NE Office	Gray ceiling plaster and white skim coat	None Detected
15	2 nd Floor NE Office	Drywall (ceiling)	None Detected
16	2 nd Floor NE Office	Drywall (ceiling)	None Detected
17	2 nd Floor NE Office	Acoustic ceiling tile adhesive	None Detected
18	2 nd Floor NE Office	Acoustic ceiling tile adhesive	None Detected
19	2 nd Floor NE Office	12" White acoustic ceiling tile	None Detected
20	2 nd Floor NE Office	12" White acoustic ceiling tile	None Detected
21	2 nd Floor Hallway	2' x 4' White drop ceiling tile	None Detected
22	2 nd Floor Hallway	2' x 4' White drop ceiling tile	None Detected
23	2 nd Floor Hallway	Gray sheetgood and mastic	None Detected
24	2 nd Floor Hallway	Gray sheetgood and mastic	None Detected
25	2 nd Floor Hallway	Black subflooring	None Detected
26	2 nd Floor Hallway	Black subflooring	None Detected
27	2 nd Floor W Exit Door	White door caulk (interior)	None Detected
28	2 nd Floor W Exit Door	White door caulk (interior)	None Detected

**Asbestos Bulk Sample Results
302 22nd Street**

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE MATERIAL	% & TYPE ASBESTOS
29	Flat Roof	Black roof tar	None Detected
30	Flat Roof	Black roof tar	None Detected
31	Flat Roof	Black roof tar	None Detected
32	Flat Roof	Black roof tar	None Detected
33	1 st Floor Hallway	12" Gray floor tile and mastic	None Detected
34	1 st Floor Hallway	12" Gray floor tile and mastic	None Detected
35	1st Floor Equipment Room	9" Gray floor tile and mastic (top layer)	4% Chrysotile
36	1st Floor Equipment Room	9" Gray floor tile and mastic (top layer)	4% Chrysotile
37	1 st Floor Equipment Room	Brown floor tile and mastic (base layer)	None Detected
38	1 st Floor Equipment Room	Brown floor tile and mastic (base layer)	None Detected
39	1 st Floor Hallway	Gray floor filler (under carpet)	None Detected
40	1 st Floor Hallway	Gray floor filler (under carpet)	None Detected
41	1 st Floor S Restroom	Green sheetgood and mastic	None Detected
42	1 st Floor S Restroom	Green sheetgood and mastic	None Detected
43	1 st Floor Kitchen	Green sheetgood and mastic (top layer)	None Detected
44	1 st Floor Kitchen	Green sheetgood and mastic (top layer)	None Detected
45	1st Floor Kitchen	Gray floor tile (middle layer)	3% Chrysotile
46	1st Floor Kitchen	Gray floor tile (middle layer)	3% Chrysotile
47	1 st Floor Kitchen	Brown floor tile (base layer)	None Detected
48	1 st Floor Kitchen	Brown floor tile (base layer)	None Detected
49	1 st Floor Kitchen	Black subflooring	None Detected
50	1 st Floor Kitchen	Black subflooring	None Detected
51	1 st Floor Equipment Room	White wall plaster (base layer)	None Detected
52	1 st Floor Equipment Room	White wall plaster (base layer)	None Detected

**Asbestos Bulk Sample Results
302 22nd Street**

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE MATERIAL	% & TYPE ASBESTOS
53	1 st Floor Equipment Room	Gray wall plaster (middle layer)	None Detected
54	1 st Floor Equipment Room	Gray wall plaster (middle layer)	None Detected
55	1 st Floor Equipment Room	White skim coat	None Detected
56	1 st Floor Equipment Room	White skim coat	None Detected
57	1 st Floor Mechanical Room	White drywall	None Detected
58	1 st Floor Mechanical Room	White drywall	None Detected
59	1 st Floor Office	Joint compound	None Detected
60	1 st Floor Office	Joint compound	None Detected
61	1 st Floor Hallway	2' x 4' White drop ceiling tile	None Detected
62	1 st Floor Hallway	2' x 4' White drop ceiling tile	None Detected
63	1 st Floor Boiler Room	Gray ceiling plaster	None Detected
64	1 st Floor Boiler Room	Gray ceiling plaster	None Detected
65	1 st Floor Boiler Room	Gray duct mortar	None Detected
66	1 st Floor Boiler Room	Gray duct mortar	None Detected
67	1st Floor Boiler Room	White pipe lagging	3% Chrysotile
68	1st Floor Boiler Room	White pipe lagging	3% Chrysotile
69	1st Floor Boiler Room	White pipe insulation	4% Chrysotile
	1st Floor Boiler Room	White pipe insulation	4% Chrysotile
71	2 nd Floor Roof	Gray slate shingle	None Detected
72	2 nd Floor Roof	Gray slate shingle	None Detected
73	2 nd Floor Roof	Tan roof adhesive	None Detected
74	2 nd Floor Roof	Tan roof adhesive	None Detected
75	1 st Floor N Restroom	Gray ceiling plaster (base layer)	None Detected
76	1 st Floor N Restroom	Gray ceiling plaster (base layer)	None Detected
77	1 st Floor N Restroom	White skim coat (ceiling)	None Detected
78	1 st Floor N Restroom	White skim coat (ceiling)	None Detected
79	1 st Floor N Restroom	12" White acoustic ceiling tile	None Detected
80	1 st Floor N Restroom	12" White acoustic ceiling tile	None Detected
81	1 st Floor Exterior W Window	White window glazing	None Detected

Asbestos Bulk Sample Results
302 22nd Street

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE MATERIAL	% & TYPE ASBESTOS
82	1 st Floor Exterior W Window	White window glazing	None Detected
83	<i>1st Floor Exterior</i>	<i>Gray siding</i>	<i>22% Chrysotile</i>
84	<i>1st Floor Exterior</i>	<i>Gray siding</i>	<i>22% Chrysotile</i>
85	Basement	Gray wall mortar	None Detected
86	Basement	Gray wall mortar	None Detected
87	<i>Basement</i>	<i>White pipe insulation</i>	<i>75% Chrysotile</i>
88	<i>Basement</i>	<i>White pipe insulation</i>	<i>75% Chrysotile</i>



Asbestos Bulk Analysis Report

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Report Number: 21-10-03922

Client: Parker Environmental Consulting Services
3629 East Stratford Road
Virginia Beach, VA 23455

Received Date: 10/22/2021
Analyzed Date: 10/26/2021, 10/27/2021
Reported Date: 10/27/2021

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Client Number:
201745

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-001A	1	Flooring	Gray Vinyl; Brown Fibrous; Inhomogeneous	NAD	35% Cellulose 65% Non-Fibrous
21-10-03922-001B	1	Mastic	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-002A	2	Flooring	Gray Vinyl; Brown Fibrous; Inhomogeneous	NAD	35% Cellulose 65% Non-Fibrous
21-10-03922-002B	2	Mastic	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-003	3		White Granular; Tan/Gray Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-004	4		White Granular; Tan/Gray Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-005	5		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-006	6		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-007	7		White Pliable; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-008	8		White Pliable; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-009A	9	Flooring	Gray Vinyl; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
21-10-03922-009B	9	Mastic	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-010A	10	Flooring	Gray Vinyl; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous

Environmental Hazards Services, L.L.C

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Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-010B	10	Mastic	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-011A	11	Mastic I	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-011B	11	Felt	Black Tar-Like Fibrous; Homogeneous	NAD	85% Cellulose 10% Synthetic 5% Non-Fibrous
21-10-03922-011C	11	Mastic II	Brown Adhesive; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-012A	12	Mastic I	Brown Adhesive; Homogeneous	NAD	3% Cellulose 97% Non-Fibrous
21-10-03922-012B	12	Felt	Black Tar-Like Fibrous; Homogeneous	NAD	85% Cellulose 10% Synthetic 5% Non-Fibrous
21-10-03922-012C	12	Mastic II	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-013	13		White/Gray Granular; Inhomogeneous	NAD	1% Hair 99% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-014	14		White/Gray Granular; Inhomogeneous	NAD	1% Hair 99% Non-Fibrous
21-10-03922-015	15		White Powdery; Brown Fibrous; Tan Paint-Like; Inhomogeneous	NAD	25% Cellulose 75% Non-Fibrous
21-10-03922-016	16		White Powdery; Brown Fibrous; Inhomogeneous	NAD	20% Cellulose 80% Non-Fibrous
21-10-03922-017	17		Brown Brittle Adhesive; Homogeneous	NAD	2% Cellulose 98% Non-Fibrous
21-10-03922-018	18		Brown Brittle Adhesive; Homogeneous	NAD	3% Cellulose 97% Non-Fibrous
21-10-03922-019	19		Brown Fibrous; Homogeneous	NAD	99% Cellulose 1% Non-Fibrous
21-10-03922-020	20		Brown Fibrous; Homogeneous	NAD	99% Cellulose 1% Non-Fibrous
21-10-03922-021	21		Gray/White Fibrous; Inhomogeneous	NAD	55% Cellulose 35% Fibrous Glass 10% Non-Fibrous

Environmental Hazards Services, L.L.C

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Report Number: 21-10-03922

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-022	22		Gray/White Fibrous; Inhomogeneous	NAD	55% Cellulose 35% Fibrous Glass 10% Non-Fibrous
21-10-03922-023A	23	Flooring	Gray Vinyl; Brown Fibrous; Inhomogeneous	NAD	35% Cellulose 65% Non-Fibrous
21-10-03922-023B	23	Mastic	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-024	24		Gray Vinyl; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
No mastic present					
21-10-03922-025A	25	Mastic I	Brown Adhesive; Homogeneous	NAD	4% Cellulose 96% Non-Fibrous
21-10-03922-025B	25	Felt	Black Tar-Like Fibrous; Homogeneous	NAD	85% Cellulose 10% Synthetic 5% Non-Fibrous
21-10-03922-025C	25	Mastic II	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-026A	26	Felt	Black Tar-Like Fibrous; Homogeneous	NAD	85% Cellulose 10% Synthetic 5% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-026B	26	Mastic	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-027	27		White Brittle; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-028	28		White Brittle; White Pliable; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-029	29		Black Tar-Like; Homogeneous	NAD	10% Cellulose 90% Non-Fibrous
21-10-03922-030	30		Black Tar-Like; Homogeneous	NAD	10% Cellulose 90% Non-Fibrous
21-10-03922-031	31		Black Tar-Like; Silver Paint-Like; Inhomogeneous	NAD	3% Cellulose 97% Non-Fibrous
21-10-03922-032	32		Black Tar-Like; Silver Paint-Like; Inhomogeneous	NAD	3% Cellulose 97% Non-Fibrous
21-10-03922-033A	33	Tile	Gray Vinyl; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

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Report Number: 21-10-03922

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-033B	33	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-034A	34	Tile	Gray Vinyl; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-034B	34	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-035A	35	Tile	Brown Vinyl; Homogeneous	3% Chrysotile	97% Non-Fibrous
				Total Asbestos: 3%	
21-10-03922-035B	35	Mastic	Black Adhesive; Homogeneous	4% Chrysotile	96% Non-Fibrous
				Total Asbestos: 4%	
21-10-03922-036A	36	Tile		Did Not Analyze (Positive Stop)	
21-10-03922-036B	36	Mastic		Did Not Analyze (Positive Stop)	
21-10-03922-037	37		Brown Vinyl; Brown Fibrous; Inhomogeneous	Trace <1% Chrysotile	25% Cellulose 75% Non-Fibrous
				Total Asbestos: Trace <1%	

Possible contamination from residual black mastic present on top of flooring. Assumed to be the same as previous mastic. No mastic present on bottom of flooring.

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-038	38		Brown Vinyl; Brown Fibrous; Inhomogeneous	Trace <1% Chrysotile	25% Cellulose 75% Non-Fibrous
Total Asbestos: Trace <1%					
Possible contamination from residual black mastic present on top of flooring. Assumed to be the same as previous mastic. No mastic present on bottom of flooring.					
21-10-03922-039A	39	Leveling Comp.	Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-039B	39	Mastic	Yellow Adhesive; Homogeneous	NAD	2% Synthetic 98% Non-Fibrous
21-10-03922-040A	40	Leveling Comp.	Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-040B	40	Mastic	Yellow Adhesive; Homogeneous	NAD	1% Synthetic 99% Non-Fibrous
21-10-03922-041A	41	Linoleum	Green Vinyl; Beige Fibrous; Inhomogeneous	NAD	25% Cellulose 5% Fibrous Glass 70% Non-Fibrous
21-10-03922-041B	41	Mastic	Yellow Adhesive; Homogeneous	NAD	3% Cellulose 97% Non-Fibrous
21-10-03922-042A	42	Linoleum	Green Vinyl; Beige Fibrous; Inhomogeneous	NAD	25% Cellulose 5% Fibrous Glass 70% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-042B	42	Mastic	Yellow Adhesive; Homogeneous	NAD	3% Cellulose 97% Non-Fibrous
21-10-03922-043A	43	Linoleum	Green Vinyl; Beige Fibrous; Inhomogeneous	NAD	25% Cellulose 5% Fibrous Glass 70% Non-Fibrous
21-10-03922-043B	43	Mastic	Yellow Adhesive; Homogeneous	NAD	3% Cellulose 97% Non-Fibrous
21-10-03922-043C	43	Leveling Comp.	White Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-044A	44	Linoleum	Green Vinyl; Beige Fibrous; Inhomogeneous	NAD	25% Cellulose 5% Fibrous Glass 70% Non-Fibrous
21-10-03922-044B	44	Mastic	Yellow Adhesive; Homogeneous	NAD	3% Cellulose 97% Non-Fibrous
21-10-03922-044C	44	Leveling Comp.	White Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-045A	45	Tile	Brown Vinyl; Homogeneous	3% Chrysotile	97% Non-Fibrous
Total Asbestos:				3%	

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-045B	45	Mastic	Brown Adhesive; Homogeneous	NAD	1% Cellulose 99% Non-Fibrous
21-10-03922-046A	46	Tile		Did Not Analyze (Positive Stop)	
21-10-03922-046B	46	Mastic	Brown Adhesive; Homogeneous	NAD	1% Cellulose 99% Non-Fibrous
21-10-03922-047	47		Brown Vinyl; Brown Fibrous; Inhomogeneous	NAD	10% Cellulose 90% Non-Fibrous
No mastic present					
21-10-03922-048	48		Brown Vinyl; Brown Fibrous; Inhomogeneous	NAD	10% Cellulose 90% Non-Fibrous
Small dots of black mastic present but not sufficient for analysis					
21-10-03922-049A	49	Felt	Black Tar-Like Fibrous; Homogeneous	NAD	85% Cellulose 10% Synthetic 5% Non-Fibrous
21-10-03922-049B	49	Mastic	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-050A	50	Felt	Black Tar-Like Fibrous; Homogeneous	NAD	85% Cellulose 10% Synthetic 5% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-050B	50	Mastic	Brown Adhesive; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-051	51		White Chalky; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-052	52		White Chalky; Homogeneous	NAD	5% Cellulose 95% Non-Fibrous
21-10-03922-053	53		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-054	54		Beige Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-055	55		White Granular; Tan Paint- Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-056	56		White Granular; Tan Paint- Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-057	57		White Powdery; Brown Fibrous; Inhomogeneous	NAD	20% Cellulose 80% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-058	58		White Powdery; Brown Fibrous; Inhomogeneous	NAD	20% Cellulose 80% Non-Fibrous
21-10-03922-059	59		White Chalky; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-060	60		White Chalky; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-061	61		Gray/White Fibrous; Inhomogeneous	NAD	55% Cellulose 35% Fibrous Glass 10% Non-Fibrous
21-10-03922-062	62		Gray/White Fibrous; Inhomogeneous	NAD	55% Cellulose 35% Fibrous Glass 10% Non-Fibrous
21-10-03922-063	63		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-064	64		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-065	65		Gray Granular; Brown Fibrous; Inhomogeneous	NAD	1% Cellulose 99% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745
 Project/Test Address: 302 22nd Street; Virginia, VA 23456

Report Number: 21-10-03922

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-066	66		Gray Granular; Brown Fibrous; Homogeneous	NAD	1% Cellulose 99% Non-Fibrous
21-10-03922-067	67		Brown Fibrous; Homogeneous	3% Chrysotile	95% Cellulose 2% Non-Fibrous
				Total Asbestos: 3%	
21-10-03922-068	68			Did Not Analyze (Positive Stop)	
21-10-03922-069	69		Brown Fibrous; Homogeneous	4% Chrysotile	95% Cellulose 1% Non-Fibrous
				Total Asbestos: 4%	
21-10-03922-070	70			Did Not Analyze (Positive Stop)	
21-10-03922-071	71		Gray Cementitious; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-072	72		Gray Cementitious; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-073	73		Tan Adhesive; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-074	74		Tan Adhesive; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-075	75		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-076	76		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-077	77		Beige Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-078	78		Beige Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-079	79		Brown Fibrous; Beige Paint-Like; Inhomogeneous	NAD	98% Cellulose 2% Non-Fibrous
21-10-03922-080	80		Brown Fibrous; Beige Paint-Like; Inhomogeneous	NAD	98% Cellulose 2% Non-Fibrous
21-10-03922-081	81		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
21-10-03922-082	82		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03922

Project/Test Address: 302 22nd Street; Virginia, VA 23456

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
21-10-03922-083	83		Gray Cementitious Fibrous; Homogeneous	22% Chrysotile	78% Non-Fibrous
				Total Asbestos: 22%	
21-10-03922-084	84			Did Not Analyze (Positive Stop)	
21-10-03922-085	85		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-086	86		Gray Granular; Homogeneous	NAD	100% Non-Fibrous
21-10-03922-087	87		White Fibrous; Homogeneous	75% Chrysotile	5% Cellulose 20% Non-Fibrous
				Total Asbestos: 75%	
21-10-03922-088	88			Did Not Analyze (Positive Stop)	

Environmental Hazards Services, L.L.C

Client Number: 201745
Project/Test Address: 302 22nd Street; Virginia, VA 23456

Report Number: 21-10-03922

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
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QC Sample: 47-M22018-1, 44-M12018-4

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Kathy Fletcher

Reviewed By Authorized Signatory:



Tasha Eaddy
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Company Name	Parker Environmental Consulting Services, LLC	Account #	Customer 201745
Company Address	2109 Thoroughgood Road, Unit 5837	City/State/Zip	Virginia Beach, VA 23455
Phone	(757) 636-7394	Email	mypecs2@gmail.com
Project Name/Test Address		302 22nd Street, Virginia Beach, VA 23456	
PO Number		Collected By	Brian Parker
Turn-Around Time	<input checked="" type="radio"/> 3 DAY <input type="radio"/> 2 DAY <input type="radio"/> 1 DAY <input type="radio"/> SAME DAY OR WEEKEND - Must Call Ahead		

PLM New York Protocol
 PLM New Jersey Protocol
 PLM South Carolina Protocol

LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK				AIR			COMMENTS	
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA	NIOSH 7402		Time In Total Minutes
1	#1-88 (see attached table)		X	10/20/21 1700	X								
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

Released By:	Brian C. Parker	Date:	10/21/2021	Time:	1100
Signature:	<i>Brian C. Parker</i>				

LAB USE ONLY - BELOW THIS LINE

Received By: A. Walker

Signature: *A. Walker*

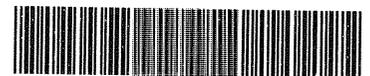
Date: 10/22/2021 Time: 3:16 AM PM

Portal Contact Added

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

21-10-03922



Due Date:
10/27/2021
(Wednesday)
AE

KF *88plm*

**Table 2. Paint Chip Sample Results
302 22nd Street**

NO	SAMPLE LOCATION	DESCRIPTION	% LEAD	% CADMIUM	% CHROMIUM	> MDL	LCP	LBP
<i>1</i>	<i>1st Floor Exterior W Window</i>	<i>Cream window paint</i>	<i>3.6</i>	<i>0.0038</i>	<i><MDL</i>	<i>X</i>		<i>X</i>
<i>2</i>	<i>1st Floor Exterior W Railing</i>	<i>Black railing paint</i>	<i><MDL</i>	<i>0.0008</i>	<i>0.0034</i>	<i>X</i>		
<i>3</i>	<i>1st Floor Exterior W Siding</i>	<i>Cream exterior siding paint</i>	<i>0.098</i>	<i>0.00061</i>	<i><MDL</i>	<i>X</i>	<i>X</i>	
<i>4</i>	<i>2nd Floor Interior SW Office</i>	<i>Off-white wall paint</i>	<i>0.077</i>	<i><MDL</i>	<i>0.0073</i>	<i>X</i>	<i>X</i>	
<i>5</i>	<i>2nd Floor Interior Stairwell Window</i>	<i>White window paint</i>	<i>2.2</i>	<i>0.0018</i>	<i>0.054</i>	<i>X</i>		<i>X</i>
<i>6</i>	<i>1st Floor Interior Wall</i>	<i>White wall paint</i>	<i>0.0066</i>	<i><MDL</i>	<i><MDL</i>	<i>X</i>		
<i>7</i>	<i>1st Floor Interior S Room</i>	<i>Green window trim paint</i>	<i>0.92</i>	<i>0.0003</i>	<i>0.014</i>	<i>X</i>		<i>X</i>
<i>8</i>	<i>1st Floor Interior Boiler Room</i>	<i>White wall paint</i>	<i>0.11</i>	<i><MDL</i>	<i><MDL</i>	<i>X</i>	<i>X</i>	

% = Percent by Weight
MDL = Method Detection Limit
LCP = Lead Containing Paint
LBP = Lead Based Paint



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Lead Paint Chip Analysis Report

Report Number: 21-10-03924

Client: Parker Environmental Consulting Services
 3629 East Stratford Road
 Virginia Beach, VA 23455

Received Date: 10/22/2021
 Analyzed Date: 10/27/2021
 Reported Date: 10/27/2021

Project/Test Address: 302 22nd Street; Virginia Beach, VA 23451
 Collection Date: 10/20/2021

Client Number:
 201745

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID
21-10-03924-001	1	1ST FLOOR EXTERIOR W WINDOW	36000	3.6	L04
21-10-03924-002	2	1ST FLOOR EXTERIOR W RAILING	<40	<0.0040	L04
21-10-03924-003	3	1ST FLOOR EXTERIOR W SIDING	980	0.098	L04
21-10-03924-004	4	2ND FLOOR INTERIOR SW OFFICE	770	0.077	
21-10-03924-005	5	2ND FLOOR INTERIOR STAIRWELL WINDOW	22000	2.2	
21-10-03924-006	6	1ST FLOOR INTERIOR WALL	66	0.0066	
21-10-03924-007	7	1ST FLOOR INTERIOR S ROOM	9200	0.92	
21-10-03924-008	8	1ST FLOOR INTERIOR BOILER ROOM	1100	0.11	L04

Environmental Hazards Services, L.L.C

Client Number: 201745

Report Number: 21-10-03924

Project/Test Address: 302 22nd Street; Virginia Beach, VA 23451

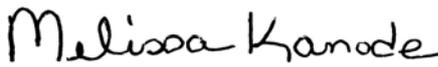
Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID
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Sample Narratives:

L04: Sample contains substantial amounts of substrate which may affect the calculated results with units of ppm and % by weight.

Preparation Method: ASTM E-1979-17

Analysis Method: EPA SW846 7000B

Reviewed By Authorized Signatory: 

Melissa Kanode
QA/QC Clerk

The HUD lead guidelines for lead paint chips are 0.50% by Weight, 5000 ppm, or 1.0 mg/cm². The Reporting Limit (RL) for samples prepared by ASTM E-1979-17 is 10.0 ug Total Pb. The RL for samples prepared by EPA SW846 3050B is 25.0 ug Total Pb. Paint chip area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in mg/cm³ are calculated based on area supplied by client. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C.

ELLAP Accreditation through AIHA LAP, LLC (100420), NY ELAP #11714.

LEGEND	Pb= lead	ug = microgram	ppm = parts per million
	ug/g = micrograms per gram	Wt. = weight	

ENVIRONMENTAL HAZARDS SERVICES, LLC

Lead Chain of Custody Form

Company Name	Parker Environmental Consulting Services, LLC	Account #	Customer 201745
Company Address	2109 Thoroughgood Road, Unit #5837	City/State/Zip	Virginia Beach, Virginia 23455
Phone	757.636.7394	Email	mypecs2@gmail.com
Project Name / Testing Address: 302 22nd Street, Virginia Beach, VA 23451			
PO Number		Collected By	Brian Parker
Turn-Around Time	<input checked="" type="radio"/> 3 DAY <input type="radio"/> 2 DAY <input type="radio"/> 1 DAY <input type="radio"/> SAME DAY OR WEEKEND - Must Call Ahead		

Do Submitted Dust Wipe Samples Meet ASTM E1792 Requirements? Yes No

SAMPLE TYPES				SAMPLE LOCATION ABBREVIATIONS								SURFACE TYPE FOR DUST WIPES					
Dust Wipe	DW	Air	A	Family Room	FR	Front	F	1st FL	1	Bath	BA	Bedroom	BR	Floor	FL	Window Well	WW
Paint Chip	PC	Soil	S	Living Room	LR	Rear	R	2nd FL	2	Dining	DR	Basement	O	Carpet	CP	Window Sill	SL
Composite Soil	CS	Composite Wipe	CW	Den	DN	Left	LT	Right	RT	Kitchen	KT						

LAB NUMBER	Client Sample ID	Collection Date	Sample Type	Collection Location [LR, KT, BA,]	Surface Type	Area		Paint Chip		Air		
						Length X Width In Inches [Provide paint chip area only if results are needed in mg/cm ²]		mg/cm ²	% by weight	Total Time [minutes]	Flow Rate [L/min]	Total Volume [Liters]
1	I-8 (see attached table)	10/20/2021	PC			X		X				
2						X						
3						X						
4						X						
5						X						
6						X						
7						X						
8				Analysis: Flame AA/7000B		X						
9						X						
10						X						
11						X						
12						X						
13						X						
14						X						

ACW

Released By: Brian Parker	Date: October 21, 2021	Time: 1100
Signature: <i>Brian Parker</i>		

LAB USE ONLY - BELOW THIS LINE

Received By: A. Walker

Signature: *A. Walker*

Date: 10/22/2021 Time: 3:11 AM PM

Portal Contact Added

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

21-10-03924

Due Date:
10/27/2021
(Wednesday)
AE



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Paint
 Metals
 Analysis Report

Client: Parker Environmental Consulting Services
 3629 East Stratford Road
 Virginia Beach, VA 23455

Report Number: 21-10-04756

Received Date: 10/28/2021

Reported Date: 11/03/2021

Project/Test Address: 302 22nd Street; Virginia Beach, VA 23451

Client Number:
 201745

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Analyzed Date:	Analyte:	Concentration ppm (mg/kg)	Narrative ID
21-10-04756-001	1	11/02/2021	Cadmium (Cd)	38	L04
			Chromium (Cr)	<9.9	L04
21-10-04756-002	2	11/02/2021	Cadmium (Cd)	8.0	L01
			Chromium (Cr)	34	L01
21-10-04756-003	3	11/02/2021	Cadmium (Cd)	6.1	L04
			Chromium (Cr)	<9.7	L04
21-10-04756-004	4	10/30/2021	Cadmium (Cd)	<0.92	
			Chromium (Cr)	73	
21-10-04756-005	5	11/02/2021	Cadmium (Cd)	18	
			Chromium (Cr)	540	
21-10-04756-006	6	10/30/2021	Cadmium (Cd)	<0.93	
			Chromium (Cr)	<4.7	
21-10-04756-007	7	11/02/2021	Cadmium (Cd)	3.0	
			Chromium (Cr)	140	
21-10-04756-008	8	11/02/2021	Cadmium (Cd)	<2.8	

Environmental Hazards Services, L.L.C

Client Number: 201745
Project/Test Address: 302 22nd Street; Virginia Beach, VA 23451

Report Number: 21-10-04756

Lab Sample Number	Client Sample Number	Analyzed Date:	Analyte:	Concentration ppm (mg/kg)	Narrative ID
			Chromium (Cr)	<14	

Sample Narratives:

- L04: Sample contains substantial amount of substrate which may affect the final calculated results with units of ppm and % by weight.
L01: Sample was high in Fe, which is a possible interferent.

Analyst: Kailee Guthrie
Method: Mercury (Hg): EPA SW846 7471B
All other metals: EPA SW846 3050B/6010D

Reviewed By Authorized Signatory:



Tasha Eaddy
QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contains less than the reporting limit for each particular metal, based on a 50mL volume. The reporting limit is 0.10 ug for Mercury, 0.5ug for Cadmium and Beryllium, 1ug for Arsenic and Thallium and 2.5ug for all other metals. To convert metals concentration (ppm) to % by weight, divide the above concentration by 10,000.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Unless otherwise noted, samples are reported without a dry weight correction. Sample location, description, area, volume, etc., was provided by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. These sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. NY ELAP #11714.

LEGEND	ug = microgram	ppm = parts per million
	mL = milliliter	mg/kg = milligrams per kilogram

ENVIRONMENTAL HAZARDS SERVICES, LLC

Lead Chain of Custody Form

Company Name		Parker Environmental Consulting Services, LLC				Account #		Customer 201745										
Company Address		2109 Thoroughgood Road, Unit #5837				City/State/Zip		Virginia Beach, Virginia 23455										
Phone		757.636.7394				Email		mypecs2@gmail.com										
Project Name / Testing Address		302 22nd Street, Virginia Beach, VA 23451																
PO Number						Collected By		Brian Parker										
Turn-Around Time		<input checked="" type="checkbox"/> 3 DAY <input type="checkbox"/> 2 DAY <input type="checkbox"/> 1 DAY <input type="checkbox"/> SAME DAY OR WEEKEND - Must Call Ahead																
Do Submitted Dust Wipe Samples Meet ASTM E1792 Requirements?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																
SAMPLE TYPES		SAMPLE LOCATION ABBREVIATIONS						SURFACE TYPE FOR DUST WIPES										
Dust Wipe	DW	Air	A	Family Room	FR	Front	F	1st FL	1	Bath	BA	Bedroom	BR	Floor	FL	Window Well	WW	
Paint Chip	PC	Soil	S	Living Room	LR	Rear	R	2nd FL	2	Dining	DR	Basement	B	Carpet	CP	Window Sill	SL	
Composite Soil	CS	Composite Wipe	CW	Den	DN	Left	LT	Right	RT	Kitchen	KT							
LAB NUMBER	Client Sample ID	Collection Date	Sample Type	Collection Location [LR, KT, BA]	Surface Type	Area		Paint Chip		Air								
						Length X Width In Inches [Provide paint chip area only if results are needed in mg/cm ²]	mg/cm ²	% by weight	Total Time [minutes]	Flow Rate [L/min]	Total Volume [Liters]							
1	1-8 (sec attached table)	10/20/2021	PC			X		X										
2						X												
3						X												
4						X												
5						X												
6						X												
7						X												
8						X												
9						X												
10						X												
11						X												
12						X												
13						X												
14						X												
Released By:		Brian Parker				Date:		October 21, 2021		Time:		1100						
Signature:		<i>Brian Parker</i>																

LAB USE ONLY - BELOW THIS LINE

Rec'd by Amy Vejnar
 Sign [Signature]
 Date 10/28/21 Time 9:44 AM

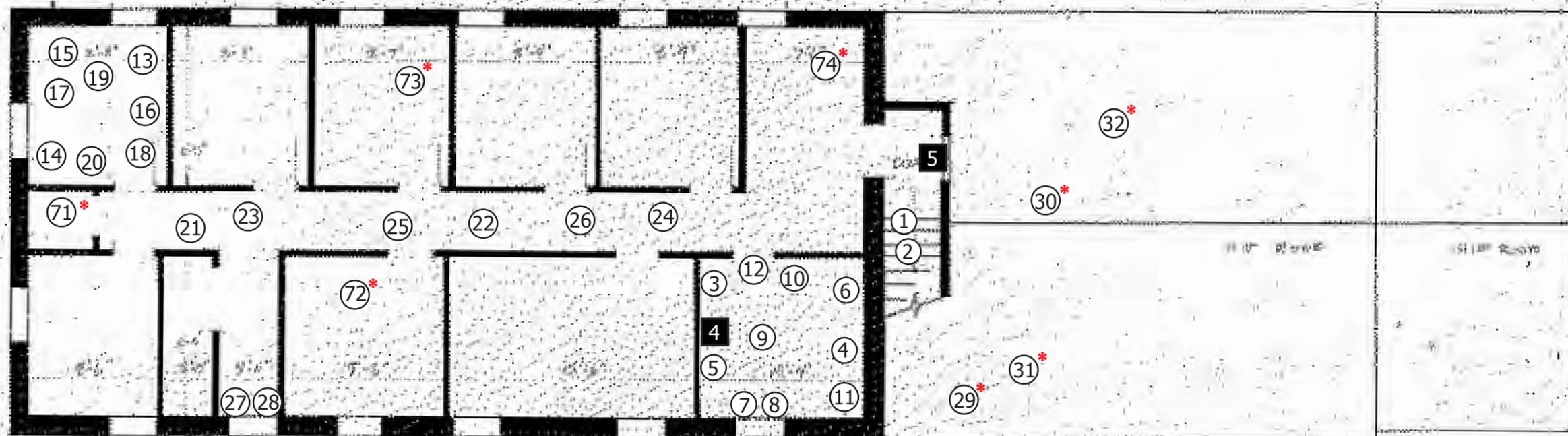
21-10-04756



Due Date:
 11/02/2021
 (Tuesday)
 AE

ACW

3.0 SAMPLE LOCATION MAP



SECOND FLOOR

LEGEND

- POSITIVE SAMPLE LOCATION FOR ASBESTOS
- NEGATIVE SAMPLE LOCATION FOR ASBESTOS
- POSITIVE SAMPLE FOR LEAD, CADMIUM OR CHROMIUM
- NEGATIVE SAMPLE FOR LEAD, CADMIUM OR CHROMIUM

* INDICATES ROOF SAMPLE LOCATION

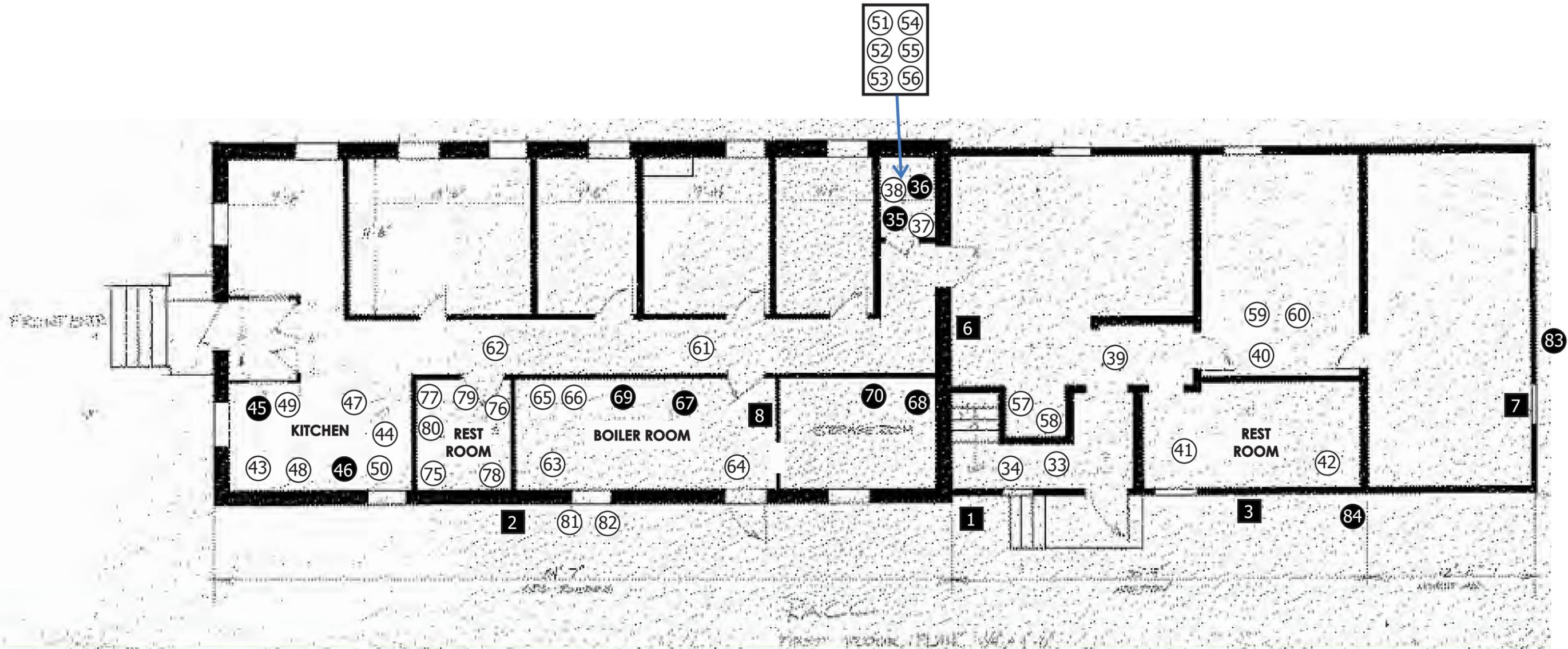
NOTE - THE LOCATION FROM WHICH THE SAMPLES WERE OBTAINED SHOULD NOT BE INTERPRETED AS THE ONLY LOCATION WHERE THE MATERIAL EXISTS.

SAMPLE LOCATION PLAN

PROJECT: PRE-RENOVATION ASBESTOS AND LEAD SURVEY
 302 22ND STREET
 VIRGINIA BEACH, VA 23451

SOURCE: 2021 AS-BUILT
 SCALE: NONE
 DATE: NOVEMBER 2021





FIRST FLOOR

LEGEND

- POSITIVE SAMPLE LOCATION FOR ASBESTOS
- NEGATIVE SAMPLE LOCATION FOR ASBESTOS
- POSITIVE SAMPLE FOR LEAD, CADMIUM OR CHROMIUM
- NEGATIVE SAMPLE FOR LEAD, CADMIUM OR CHROMIUM

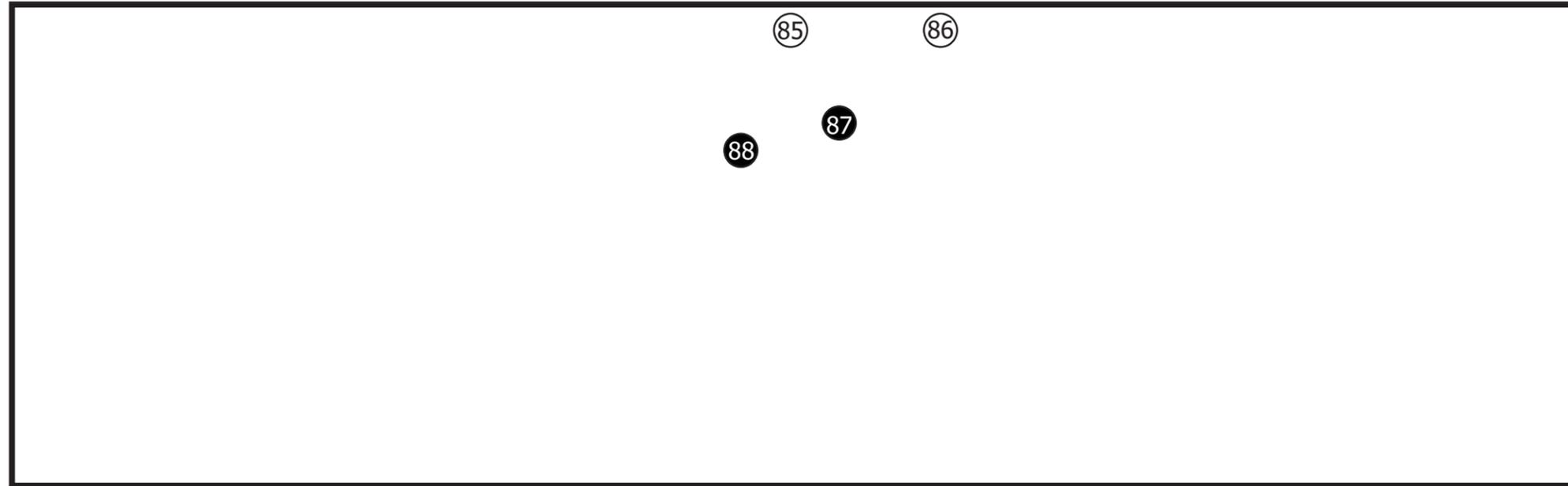
* INDICATES ROOF SAMPLE LOCATION
 NOTE - THE LOCATION FROM WHICH THE SAMPLES WERE OBTAINED SHOULD NOT BE INTERPRETED AS THE ONLY LOCATION WHERE THE MATERIAL EXISTS.

SAMPLE LOCATION PLAN

PROJECT: PRE-RENOVATION ASBESTOS AND LEAD SURVEY
 302 22ND STREET
 VIRGINIA BEACH, VA 23451

SOURCE: 2021 AS-BUILT
 SCALE: NONE
 DATE: NOVEMBER 2021





BASEMENT

LEGEND

- POSITIVE SAMPLE LOCATION FOR ASBESTOS
- NEGATIVE SAMPLE LOCATION FOR ASBESTOS
- POSITIVE SAMPLE FOR LEAD, CADMIUM OR CHROMIUM
- NEGATIVE SAMPLE FOR LEAD, CADMIUM OR CHROMIUM

* INDICATES ROOF SAMPLE LOCATION

NOTE - THE LOCATION FROM WHICH THE SAMPLES WERE OBTAINED SHOULD NOT BE INTERPRETED AS THE ONLY LOCATION WHERE THE MATERIAL EXISTS.

SAMPLE LOCATION PLAN

PROJECT: PRE-RENOVATION ASBESTOS AND LEAD SURVEY
 302 22ND STREET
 VIRGINIA BEACH, VA 23451

SOURCE: NONE
 SCALE: NONE
 DATE: NOVEMBER 2021



4.0 PHOTOGRAPHIC DOCUMENTATION



Photograph 1: View of the north side of the subject property, at 302 22nd Street, facing southeast.



Photograph 2: View of west side of the subject property, facing east.

Photographs

Project: Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451





Photograph 3: View of non-friable asbestos-containing 9" gray floor tile and mastic (top layer), located in the 1st Floor Equipment Room of the subject property (Samples 35 and 36).



Photograph 4: View of non-friable, asbestos-containing gray floor tile (middle layer), located in the 1st Floor Kitchen of the subject property (Samples 45 and 46).

Photographs

Project: Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451



Photo Sheet 2



Photograph 5: View of friable asbestos-containing white pipe lagging and insulation in the 1st Floor Boiler Room of the subject property (Samples 67-70).



Photograph 6: View of non-friable asbestos-containing gray siding, located on the 1st Floor exterior of the subject property (Samples 83 and 84).

Photographs

Project: Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451



Photo Sheet 3



Photograph 7: View of friable asbestos containing pipe insulation in the Basement of the subject property (Samples 87 and 88).



Photograph 8: View of lead-based cream window paint, located on the 1st Floor Exterior W Window of the subject property (Sample 1).

Photographs

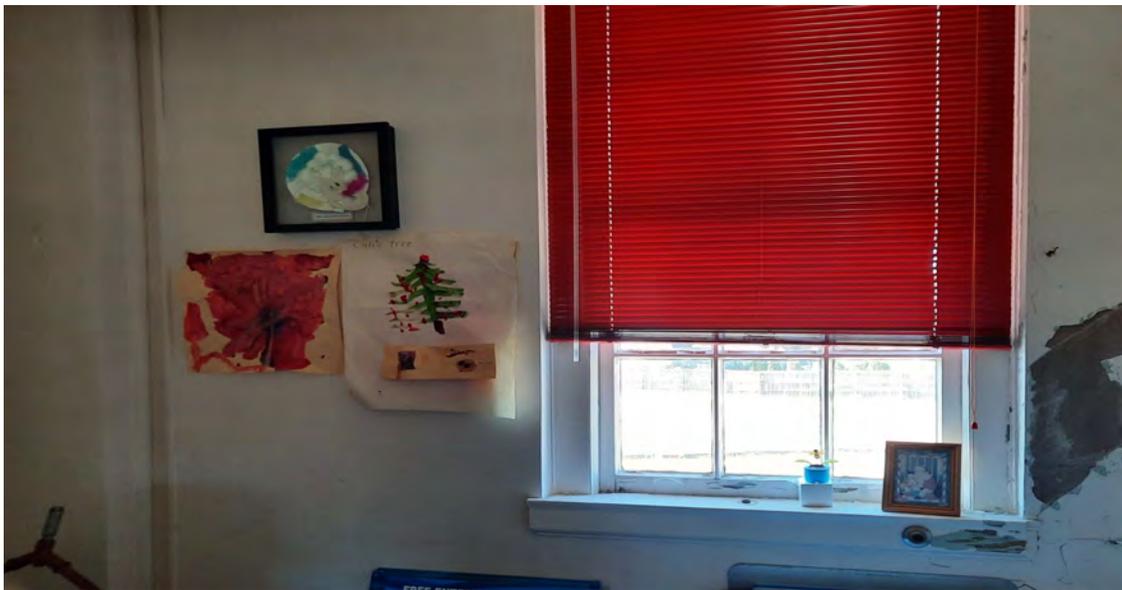
Project: Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451



Photo Sheet 4



Photograph 9: View of lead-containing cream siding paint, located on the 1st Floor Exterior W side of the subject property (Sample 3).



Photograph 10: View of lead-containing off-white wall paint, located in the 2nd Floor Interior SW Office of the subject property (Sample 4).

Photographs

Project: Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451



Photo Sheet 5



Photograph 11: View of lead-based white window paint, located on the 2nd Floor Interior Stairwell Window of the subject property (Sample 5).



Photograph 12: View of white wall paint with detectable lead, located on the 1st Floor Interior Wall of the subject property (Sample 6).

Photographs

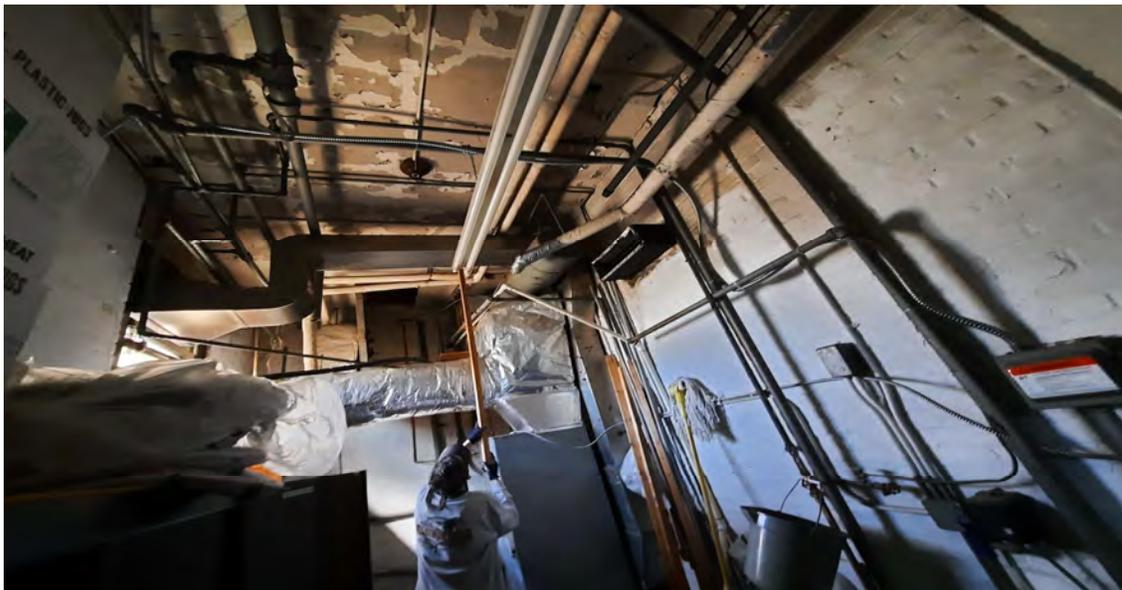
Project: Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451



Photo Sheet 6



Photograph 13: View of lead-based green window trim paint, located in the 1st Floor Interior S Room of the subject property (Sample 7).



Photograph 14: View of lead-containing white wall paint, located in the 1st Floor Boiler Room of the subject property (Sample 8).

Photographs

Project: Pre-Renovation Asbestos and Lead Survey
302 22nd Street
Virginia Beach, VA 23451



5.0 LICENSURE

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

04-30-2022

NUMBER

3303001946

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



BRIAN CHARLES PARKER
2109 THOROUGHGOOD ROAD
UNIT #5837
VIRGINIA BEACH, VA 23455



Mary Broz-Vaughan
Mary Broz-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

04-30-2022

NUMBER

3304001240

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS MANAGEMENT PLANNER LICENSE



BRIAN CHARLES PARKER
2109 THOROUGHGOOD ROAD
UNIT #5837
VIRGINIA BEACH, VA 23455



Mary Broz-Vaughan
Mary Broz-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

11-30-2021

NUMBER

3305001308

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS PROJECT DESIGNER LICENSE



BRIAN CHARLES PARKER
2109 THOROUGHGOOD ROAD
UNIT #5837
VIRGINIA BEACH, VA 23455



Mary Broz-Vaughan
Mary Broz-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2022

NUMBER

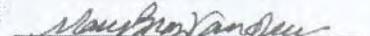
3355000971

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



BRIAN CHARLES PARKER
2109 THOROUGHGOOD ROAD
UNIT #5837
VIRGINIA BEACH, VA 23455




Mary Broz-Vaughan, Director

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

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DPOR-LIC (02/2017)