HAZARDOUS MATERIALS SURVEY
COMMERCIAL BUILDING
22 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

January 2020

Project 19039

GREEN
ENVIRONMENTAL

HAZARDOUS MATERIALS SURVEY

Commercial Property
22 South Broadway
Salem, New Hampshire

January 24, 2020

Project 19039

Prepared for:

Vanasse Hangen Brustlin
101 Walnut Street
Watertown, MA 02472
ATTN: Katherine Kudzma

Prepared by:

Green Environmental, Inc.
296 Weymouth Street, Unit C
Rockland, MA 02370
Phone: (617) 479-0550
Fax: (617) 479-5150
www.greenenvironmental.com

GREEN
ENVIRONMENTAL

TABLE OF CONTENTS

FIGURES

APPENDICES

1.0 INTRODUCTION

Green Environmental, Inc. (GREEN) was retained by Vanasse Hangen Brustlin (VHB) to conduct a hazardous materials survey of the commercial building located at 22 South Broadway in Salem, New Hampshire. GREEN understands the surrounding area is scheduled to be redeveloped and that the existing structure will be demolished. GREEN completed this Hazardous Materials Survey to support the planned redevelopment.

1.1 Building Description

According to the Town of Salem Assessor field card and GREEN's site inspection, the building located at 22 South Broadway is an approximately 4,755 square-foot, two-story, commercial building constructed in 1947.

The building has a concrete slab foundation, with a concrete block and wood frame construction and an asphalt shingle roof. Representative site photographs for the building are included in **Appendix A**. Floor plans are provided for reference included as **Figure 1** and **Figure 2**.

1.2 Scope of Work

GREEN was retained to conduct a Hazardous Materials Survey to document the presence of oil or hazardous materials at the subject building that may require abatement and/or special handling and disposal prior to building demolition. The Survey included assessment for the presence of asbestos and lead-based paint, and the cataloging of oils and/or hazardous materials located within the building. Bulk samples of suspect building materials were collected using destructive measures, and submitted for laboratory analysis as appropriate. The presence of lead-based paint was evaluated using an X-Ray fluorescence (XRF) field instrument.

2.0 ASBESTOS SURVEY

2.1 Regulatory Background

Regulations for asbestos exposure and/or asbestos release have been promulgated by the United States Environmental Protection Agency (EPA), U.S. Occupational Safety and Health Administration (OSHA), and New Hampshire Department of Environmental Services (NHDES).

OSHA regulates asbestos in the workplace through the Asbestos for General Industry Standard (29 Code of Federal Regulations [CFR] 1910.1001) and the removal of regulated asbestos-containing material (RACM) though the Asbestos Standard for Construction (29 CFR 1926.1101). OSHA regulations are created for the protection of the health of workers who may be occupationally exposed to asbestos. These occupations include asbestos abatement, construction activities, building maintenance, and others. OSHA requires that asbestos ACM be removed or appropriately abated prior to any work which will disturb the material, including demolition and renovation. Additionally, OSHA stipulates that thermal system insulation (TSI), surfacing materials and floor tile installed before 1980 must be presumed to be ACM unless appropriate sampling and analysis prove otherwise.

EPA and NHDES regulate ACM associated with building demolition, renovation, and abatement projects. The regulations are promulgated via the National Emission Standards for Hazardous Air Pollutants (NESHAP 40 CFR part 61) and the New Hampshire Cod of Administrative Rules (Env-A 1800). The regulations are developed to protect public health and the environment and require that buildings be inspected for asbestos prior to any demolition or renovation. Further, the regulations require that all affected friable and non-friable

ACM which is damaged or will be damaged as a result of the demolition or renovation activities be properly removed or abated prior to disturbance by the work.

NESHAP defines three types of ACM:

- Friable ACM: ACM that can be reduced to power by hand pressure requiring removal prior to renovation or demolition (e.g., thermal system insulation (TSI), plaster, joint compound, ceiling tiles).
- Category I non-friable ACM: ACM that is not friable and does not require removal prior to demolition, unless these materials have become friable, will become friable if disturbed, or are in poor condition; must be removed prior to renovation (e.g., resilient floor covering, packings, gaskets, asphalt roofing).
- Category II non-friable ACM: ACM that is not friable and does not require removal prior to demolition, unless these materials have become friable, will become friable if disturbed, or are in poor condition; must be removed prior to renovation (all other non-friable ACM).

RACM is friable ACM and non-friable ACM that may become friable during demolition or renovation activities. Practically speaking, both Category I non-friable ACM and Category II non- friable ACM will become friable in a typical commercial demolition or renovation scenario and must be abated prior to the work.

2.2 Sample Collection and Analysis

Bulk samples were collected based on type and quantity of each suspect material following the sampling guidelines set forth in the Asbestos Hazard Emergency Response Act (AHERA 40 CFR 763.86). Green inspected for materials among those defined as suspect ACM by EPA's AHERA regulation which include:

- Thermal system insulation (TSI) (e.g., pipe/boiler lagging, duct insulation);
- Surfacing materials (e.g., spray-on insulation, texturing materials, plaster), and;
- Miscellaneous materials (e.g., ceiling tiles, transite panels, flooring, vibration joints, drywall).

Fiberglass, foam glass, rubber, wood products, plastic products, glass and steel were not sampled since they are not considered suspect ACM.

The asbestos survey was conducted by Mr. Luke Krzyzewski, New Hampshire Accredited Asbestos Inspector AI100882. A copy of personnel accreditation is included as **Appendix B**. A total of 118 bulk samples were collected from the 22 South Broadway building on January 15, 2020. The samples were collected using hand tools, and sampling equipment was cleaned between the collection of each sample. Each sample location was wet with water prior to sampling to avoid creating dust during sampling. Bulk samples were placed in individual air tight plastic bags and transferred to Asbestos Identification Laboratory of Woburn, Massachusetts for analysis via EPA 600/R-93/116 and/or EPA Interim Method 600/M4-82-020 methods using Polarized Light Microscopy (PLM). Asbestos Identification Laboratory is licensed by the National Voluntary Laboratory Accreditation Program (NVLAP) (#200919-00) for bulk asbestos analysis. The field survey, chain of custody documentation and laboratory certificates of analysis are included in **Appendix C**. In accordance with NESHAP and NHDES regulations, materials are considered asbestos-containing if they contain greater than 1% asbestos as determined by PLM.

The following is a list of materials that were determined to be **non-asbestos-containing**:

Interior: Unit 1

- 12" Gray Floor Tile and Mastic
- Ceramic Floor Tile Adhesive and Grout
- White Sheet Floor and Adhesive
- Drywall
- Textured Ceiling
- Brown Asphalt Shingle
- 12" Black Floor Tile and Mastic
- Pink Floor Leveler
- Green Cove Base and Adhesive
- Joint Compound
- Interior Window Glaze

Interior: Unit 2

- Pebble Pattern Sheet Floor Adhesive
- Drywall
- Brown Asphalt Shingle
- Ceramic Floor Tile Adhesive and Grout
- Interior Window Glaze

Interior: Unit 3

- Faux Wood Floor Tile and Adhesive
- White Cove Base and Adhesive
- Joint Compound
- Ceramic Floor Tile Adhesive and Grout
- Drywall
- Panel Adhesive

Interior: Unit 4

- Ceramic Floor Tile Adhesive and Grout
- Drywall
- 2' x 4' Textured Ceiling Tile
- Ceramic Wall Tile Grout
- Joint Compound
- Brown Asphalt Shingle

Exterior:

- Brown Siding Paper
- Black Asphalt Shingle
- Black Roof Paper
- Rolled Asphalt

The following is a list of materials that were determined to be **asbestos-containing**:

Interior: Unit 2

- Pebble Pattern Sheet Floor
- Textured Ceiling
- Joint Compound

Interior: Unit 3

- Textured Ceiling
- Gray Window Glaze
-
- Black Sink Coating

Interior: Unit 4

- 9" Tan Floor Tile and Black Mastic
- Panel Adhesive
- Ceramic Wall Tile Adhesive
- Joint Compound

The following is a list of materials that were determined to contain **trace (<1%) asbestos**:

Interior: Unit 1 Attic

- Black Roofing Paper (old)

Interior: Unit 2 Attic

- Black Roofing Paper (old)

Interior: Unit 4 - Attic

- Black Roofing Paper (old)

Based on the review of analytical data associated with the above bulk sample collection, asbestos was **positively** identified at the 28 South Broadway building. Please refer to **Appendix E** which summarizes the materials, locations, and estimated quantities that tested positive for asbestos at the 4 South Broadway building. Site photographs are included in **Appendix A**. Floor plans are provided for reference included as **Figure 1** and **Figure 2**.

Materials containing trace amounts (less than 1%) of asbestos are not fully regulated as an ACM in New Hampshire, however, they must still be handled in accordance with OSHA 1926.1101 and per current NHDES regulations, must be disposed of under an asbestos waste shipment record as asbestos-containing waste material.

3.0 LEAD BASED PAINT SURVEY

3.1 Regulatory Background

The Occupational Safety and Health Administration (OSHA) worker protection rule has established a permissible exposure limit (PEL) of 0.050 milligrams per cubic meter for airborne lead. OSHA worker protection rules are applicable for any amount of lead. The Resource Conservation and Recovery Act (RCRA) regulates wastes containing lead as hazardous wastes if the leachable lead in the waste exceeds 5 parts per million (ppm) by Toxicity Characteristic Leachate Procedure (TCLP).

The United States Department of Housing and Urban Development (HUD) has established a threshold for in- lace paint of 1 mg/cm^2 lead as measured by X-ray fluorescence (XRF), above which paint is considered lead-containing. Although HUD guidelines are only directly applicable to residential buildings, the threshold is useful as a guideline for identifying exposure and waste disposal issues in non-residential buildings.

3.2 Sample Analysis

A Lead Based Paint (LBP) Survey was conducted on January 15, 2020 by Mr. David Pesce, New Hampshire Lead Inspector and Risk Assessor No. RA-00059, utilizing an XRF. This is a non-destructive analytical technique used to determine the elemental composition of materials. XRF analyzers determine the chemistry of a sample by measuring the fluorescent (or secondary) X-ray emitted from a sample when it is excited by a primary X-ray source. This release of energy is then registered by the detector in the XRF instrument, which in turn categorizes the energies by element.

The investigation included a survey of painted surfaces for the presence of lead-based paint (LBP) throughout the building. Painted surfaces containing elevated levels of lead were identified during the survey. Please refer to the field inspection log sheets, included as **Appendix F,** which identifies the locations of elevated lead painted surfaces.

The purpose of the LBP survey was to assist the owner and/or contractor in OSHA compliance for worker protection during the planned renovation of the subject building. Survey results may also assist with characterization of construction debris/waste prior to disposal.

4.0 OTHER HAZARDOUS MATERIALS

4.1 Oil, Paints & Cleaners

No cleaning, maintenance supplies, or paints were noted within the property building.

4.2 Mercury Containing Devices

Three (3) mercury containing thermostats were identified within the building. Each individual tilt switch contains approximately three grams of mercury. The mercury-containing ampoules should be removed from each applicable thermostat by an environmental professional, prior to building demolition. The removed ampoules are classified as a Universal Waste and must contained/packaged and labeled in accordance with the Federal Universal Waste Rule, and transported off-site for recycling. Please refer to **Appendix G,** for approximate quantities and locations of Mercury Containing Devices.

4.3 Fluorescent Lights & Ballasts

Fluorescent light fixtures were noted throughout the building. Fluorescent lighting tubes can contain both mercury and lead, and have special handling and disposal requirements. Under federal regulations used fluorescent lamp becomes a waste on the day that it is discarded. The disposal of fluorescent lighting tubes is regulated under the Resource Conservation and Recovery Act (RCRA).

Additionally, fluorescent light ballasts manufactured prior to 1979 may contain polychlorinated biphenyls (PCBs). PCB-based oils were used as insulating oil in many types of ballast to provide cooling and electrical isolation. PCBs are regulated by the EPA and also have special handling and disposal requirements, depending on the concentration.

Each light fixture should be inspected for "No PCBs" labeling, prior to removal. Lighting ballasts which contain PCBs should be segregated from non-PCB containing ballasts and properly disposed. Ballasts with no labeling should be considered PCB. The fluorescent tubes should be transported off-site for recycling. Please refer to **Appendix G,** for approximate quantities and locations of fluorescent lights and ballasts.

4.4 Refrigerants

GREEN observed several mini-split heating units within the building. All refrigerants should be recovered and properly reclaimed prior to dismantling or disposal in accordance with federal law 40 CFR Part 82 Subpart F. Please refer to **Appendix G,** for approximate quantities and locations of refrigerants.

4.5 Emergency Equipment

Emergency lights were observed within the subject building. Batteries associated with these units are an alkaline, NiMH and NiCAD source. The batteries should be either recycled or properly disposed, prior to being disturbed. Emergency exit signs can also contain radioactive components requiring proper disposal. Please refer to **Appendix G,** for approximate quantities and locations of emergency equipment.

5.0 RESULTS AND RECOMMENDATIONS

GREEN has completed a Hazardous Materials Survey of the building located at 22 South Broadway in Salem, New Hampshire. The property building consists of an approximately 4,755 square foot commercial structure constructed in 1947. GREEN understands the existing structure will be demolished. GREEN completed this Hazardous Materials Survey to support the planned redevelopment. The Survey included assessment for the presence of asbestos via bulk sample collection and laboratory analysis, a lead-based paint XRF survey, and the cataloging of oils and/or hazardous materials located within the building.

Asbestos was positively identified at the 22 South Broadway building, as summarized in **Section 2** and **Appendix E**. In accordance with NESHAP and NHDES regulations, all friable ACM, or materials made friable by demolition or renovation activities, must be removed from the building by a licensed asbestos abatement contractor, prior to demolition or renovation. Removal of ACM is regulated by NHDES. GREEN recommends the identified ACMs be removed from the buildings in accordance with applicable asbestos abatement regulations prior to the start of planned demolition activities. Asbestos abatement must be done by a New Hampshire licensed Asbestos Abatement Contractor and be properly disposed of offsite at an appropriate receiving facility in compliance with all applicable state and federal regulations. The New Hampshire asbestos regulations require visual inspection and clearance air monitoring at the completion of an asbestos abatement project. Additionally, full-time monitoring of asbestos abatement procedures in compliance with design specifications and regulations is recommended during major asbestos abatement projects.

NHDES regulations require notification to the Department and local government officials using the Asbestos Demolitions/Renovation Notification Form, 201-05-31 at least 10 working days prior to conducting of an asbestos response action of more than 10 linear-feet or 25 square feet of ACM.

Based on the results of the lead-based paint survey, lead concentrations at or greater than 1.0 mg/cm^2 were identified as described in the XRF field inspection sheets included as **Appendix F**. OSHA worker protection rules apply for any amount of lead in paint, GREEN recommends that the owner provide the results of the LBP survey provided in this report to its demolition contractor. The contractor should consider this information in planning for worker protection during the renovation waste disposal. Removal of the paint prior to demolition is not required. However, the contractor may choose to monitor ambient air for lead during demolition, or demonstrate through air monitoring data collected from previous similar projects that the concentrations of lead identified will not result in an exceedance of the OSHA PEL during the demolition. The demolition contractor should also consider whether TCLP characterization of the demolition debris in accordance with RCRA is appropriate. Demolition work must be conducted in accordance with applicable federal, state, and local regulations.

Other oil and hazardous materials were identified within the building and should be properly segregated, disposed/or recycled as appropriate as summarized in **Section 4 and Appendix G** of this Survey report.

6.0 LIMITATIONS

The opinions expressed by GREEN are based solely on the observations, sampling and analysis, and information cited in this report. Observations were made at the subject site under the conditions stated. The purpose of this study was to determine the nature and approximate quantities of hazardous materials prior to demolition activities. This report does not constitute a complete determination of whether past or current owners, operators or occupants of the site have been in compliance with all applicable state, federal or local environmental regulations. This report does not constitute an AHERA survey. GREEN makes no representation regarding material located in inaccessible areas.

Semi-destructive measures were implemented to obtain bulk samples for asbestos analysis. GREEN makes no representation regarding inaccessible materials which may be located within walls, ceilings, ducts, roofs, below grade or other inaccessible areas. Additional field measurements and/or bulk sampling may be required following the exposure/removal of walls, flooring, etc. Should additional material be identified during demolition activities that are not listed in this report the work should be stopped and samples be collected to determine if hazardous classification is warranted.

Our conclusions are based solely on the information described herein and are believed to be representative of conditions at the time of the building survey. If additional information concerning the environmental conditions of the subject site becomes available, GREEN should be notified and presented with that information. Based on the new information, we will reevaluate the conclusions stated in this report to determine whether modifications are warranted.

This report is not a project specification and should not be used as a bidding document, including an asbestos abatement or building demolition specification.

We appreciate the opportunity to provide you with these environmental services. Please contact the undersigned with any questions at 617-479-0550.

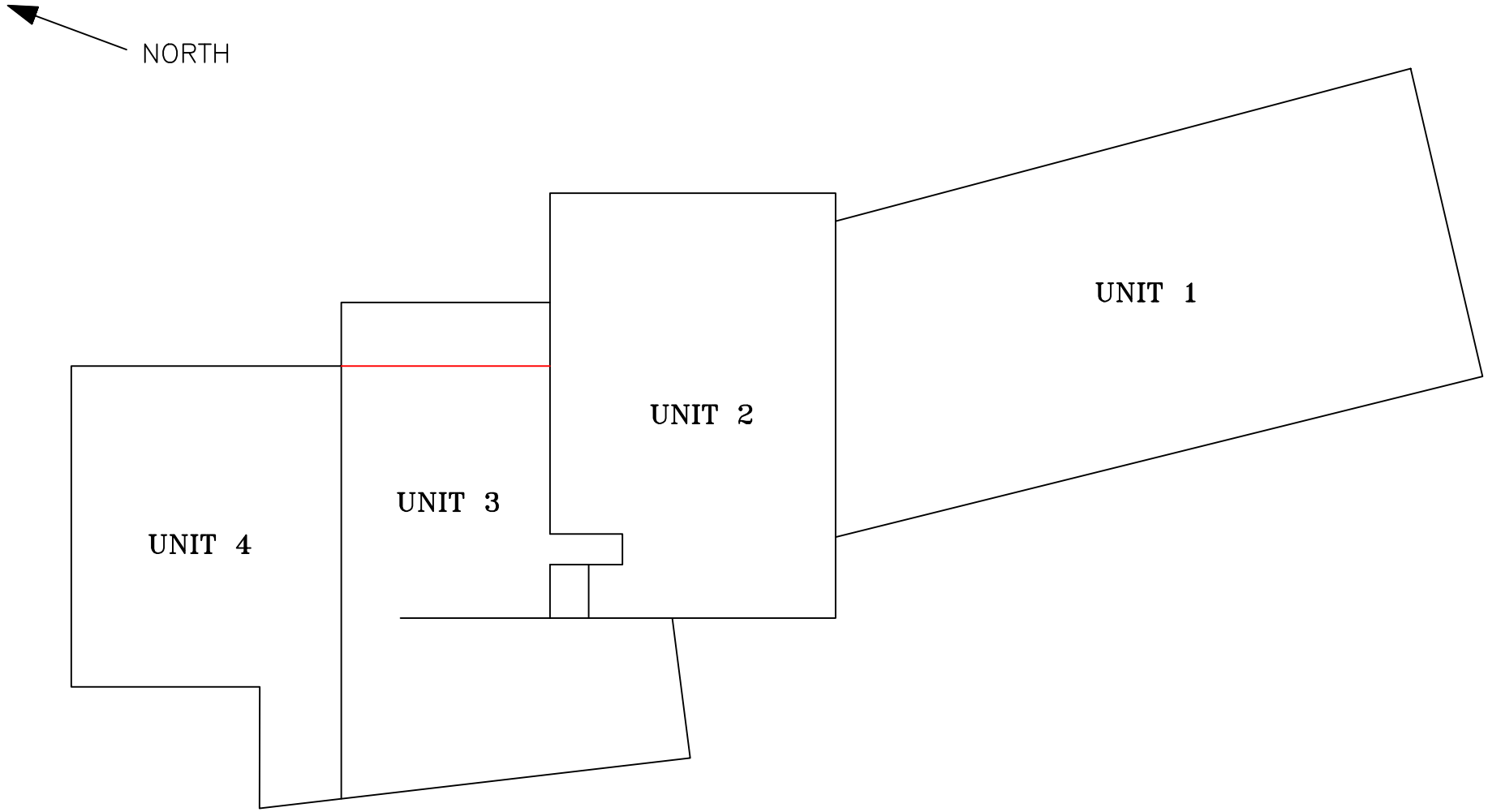
Sincerely,
GREEN ENVIRONMENTAL, INC.

Luke Krzyzewski
Project Manager
Environmental Consulting Services

Kristen Awed-Ladas
Senior Project Manager
Environmental Consulting Services

Plans and Figures

GREEN
ENVIRONMENTAL



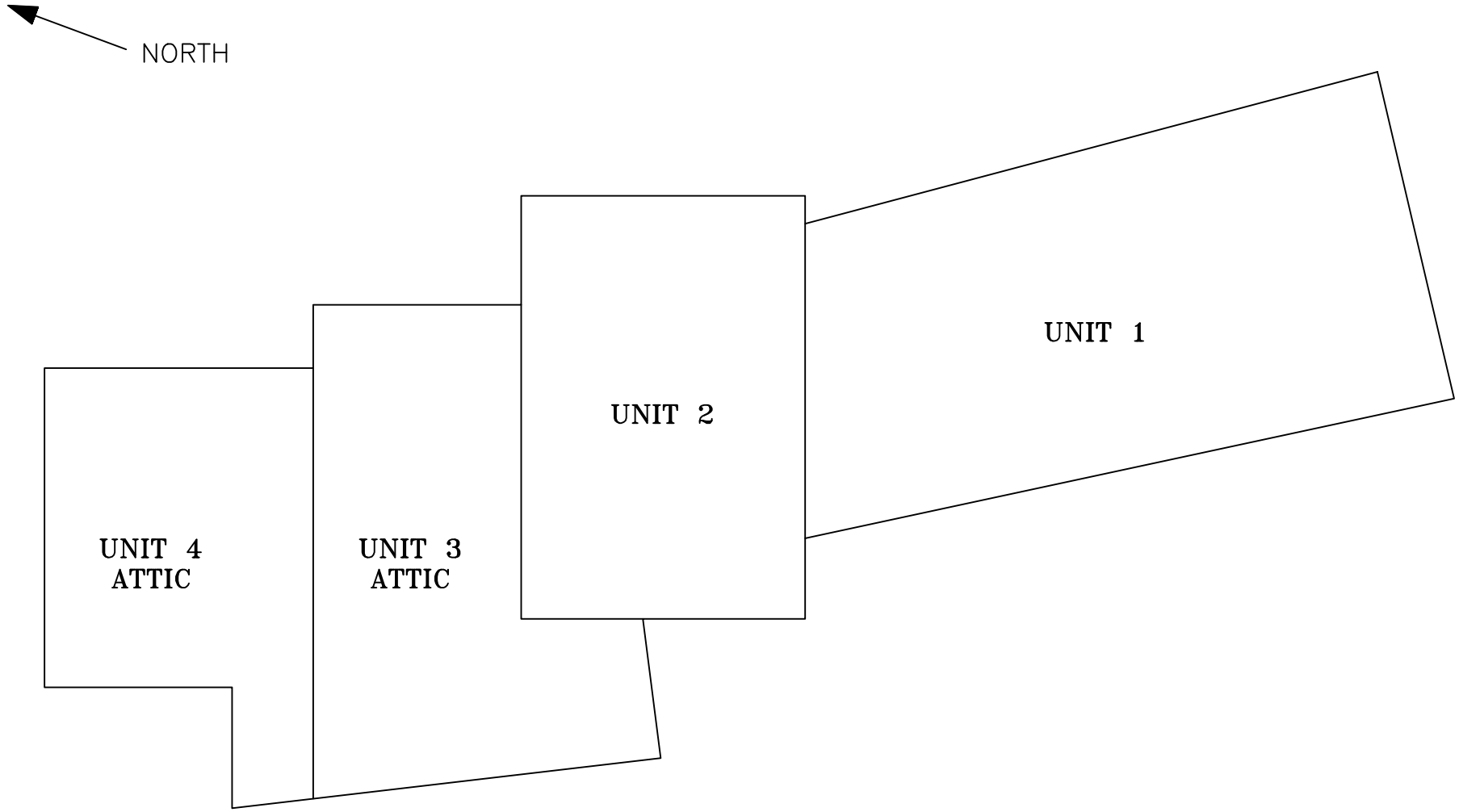
1ST FLOOR SITE PLAN
22 SOUTH BROADWAY
SALEM, NH

VHB
101 WALNUT STREET
WATERTOWN, MA

GREEN ENVIRONMENTAL

FIGURE: 1
PROJECT NO.: 19039
DATE: JANUARY 2020

APPROVED BY: KA
CHECKED BY: KA
DRAWN BY: LK



2ND FLOOR SITE PLAN
22 SOUTH BROADWAY
SALEM, NH

VHB
101 WALNUT STREET
WATERTOWN, MA

GREEN ENVIRONMENTAL

FIGURE: 2
PROJECT NO.: 19039
DATE: JANUARY 2020

APPROVED BY: KA
CHECKED BY: KA
DRAWN BY: LK

Appendix A

GREEN
ENVIRONMENTAL

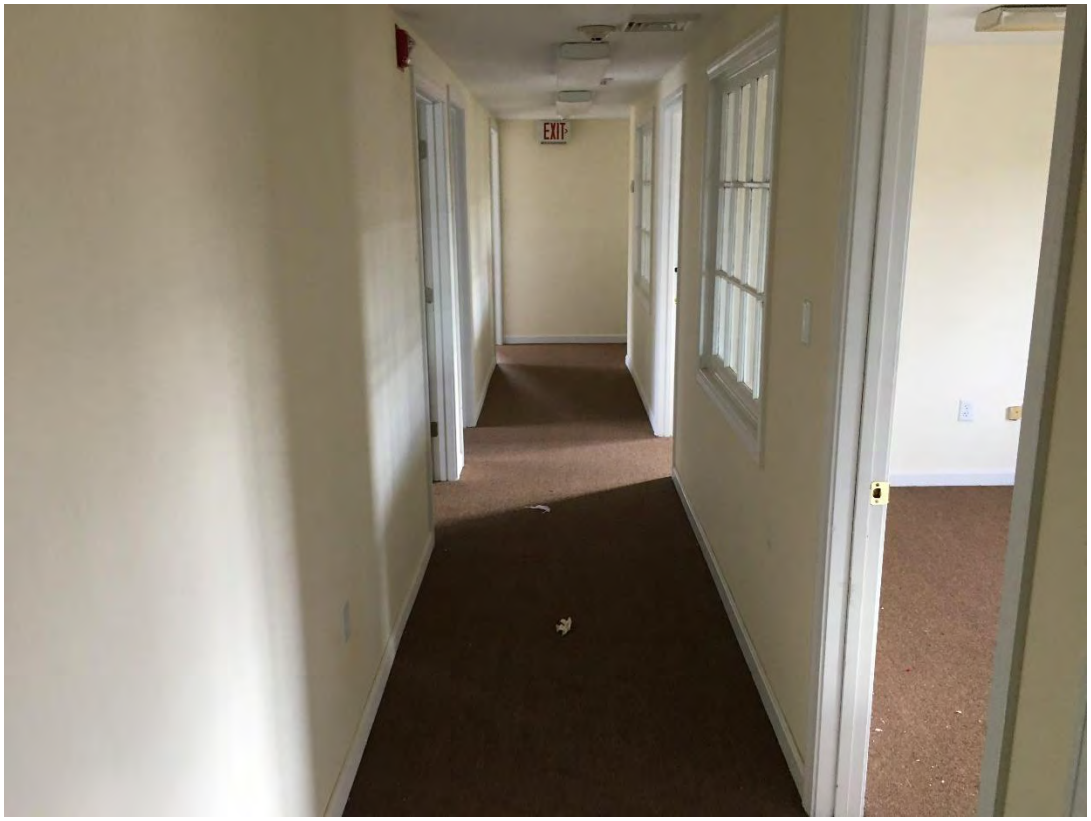
A view of the southeast side of the building facing northwest

A view of the east side of the building, facing west

A view of the northeast side of the building, facing southwest

A view of the west side of the building, facing northeast

A view of the 1st floor interior of Unit 1



A view of the 2nd floor interior of Unit 1

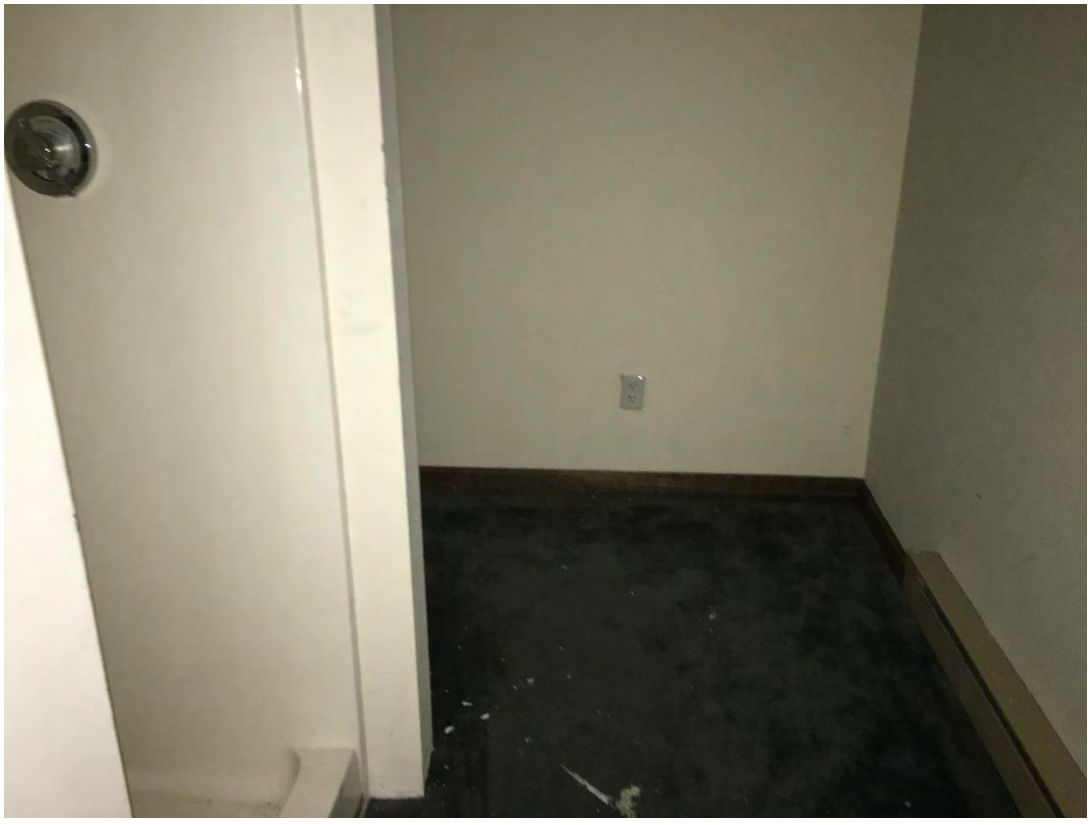
A view of the 1st floor interior of Unit 2

A view of the 2nd floor interior of Unit 2

A view of the 1st floor interior of Unit 3

A view of the 1st floor interior of Unit 3

A view of the 1st floor interior of Unit 4



A view of the 1st floor interior of Unit 4

Appendix B

GREEN
ENVIRONMENTAL

22 S BROADWAY

Location	22 S BROADWAY	**Mblu**	89/ / 1090/ /
Acct#		**Owner**	5-9 MILL STREET LLC
Assessment	$565,600	**Appraisal**	$565,600
PID	6361	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$258,500	$307,100	$565,600
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$258,500	$307,100	$565,600

Owner of Record

Owner	5-9 MILL STREET LLC	**Sale Price**	$610,000
Co-Owner		**Certificate**	
Address	29 S CANAL ST LAWRENCE, MA 01843-1403	**Book & Page**	5728/0601
		Sale Date	06/28/2016
		Instrument	00

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
5-9 MILL STREET LLC	$610,000		5728/0601	00	06/28/2016
MURDOCK FREDERICK W JR TRUSTEE	$0		5489/0790		10/23/2013
NALBANDIAN BERGE M	$0		3036/2632		02/07/1994
	$0		2935/2032		07/22/1992
	$0		2330/1089		

Building Information

Building 1 : Section 1

Year Built:	1947
Living Area:	4,755
Replacement Cost:	$393,346
Replacement Cost Less Depreciation:	$251,700

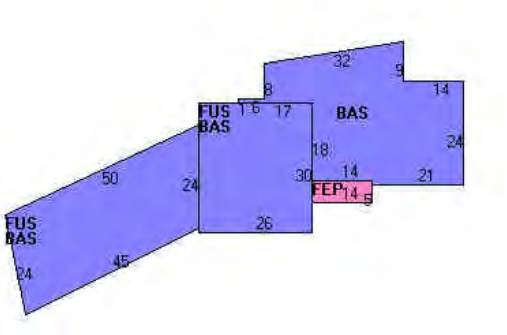
Building Attributes

Building Photo

Field	Description
STYLE	Store/Office
MODEL	Comm/Ind
Stories:	2
Occupancy	6
Exterior Wall 1	Clapboard
Exterior Wall 2	
Roof Structure	Gambrel
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Carpet
Interior Floor 2	Vinyl/Asphalt
Heating Fuel	Electric
Heating Type	Forced Air-Duc
AC Type	Heat Pump
Bldg Use	STORE/SHOP MDL-94
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3220
Heat/AC	HEAT/AC PKGS
Frame Type	WOOD FRAME
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	8
% Comn Wall	0

(http://images.vgsi.com/photos/SalemNHPhotos//\01\01\54/95.jpg)

Building Layout



(http://images.vgsi.com/photos/SalemNHPhotos//Sketches/6361

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	2,925	2,925
FUS	Upper Story, Finished	1,830	1,830
FEP	Porch, Enclosed, Finished	70	0
		4,825	4,755

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	3220
Description	STORE/SHOP MDL-94
Zone	CA
Neighborhood	600
Alt Land Appr	No

Land Line Valuation

Size (Acres)	0.49
Frontage	0
Depth	0
Assessed Value	$307,100
Appraised Value	$307,100

Category

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Assessed Value	Bldg #
PAV1	PAVING-ASPHALT			6000 S.F.	$6,800	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2017	$258,500	$307,100	$565,600
2016	$227,100	$307,100	$534,200
2015	$224,600	$284,900	$509,500

Assessment			
Valuation Year	Improvements	Land	Total
2017	$258,500	$307,100	$565,600
2016	$227,100	$307,100	$534,200
2015	$224,600	$284,900	$509,500

Appendix C

GREEN
ENVIRONMENTAL

GREEN ENVIRONMENTAL, INC.

Personnel Accreditation

Accredited Inspector

Name: Luke Krzyzewski

Accreditation Number: AI100882

Signature: _____

Licensure:

Appendix D

GREEN
ENVIRONMENTAL

Asbestos Identification Laboratory

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com
Email: mikemanning@asbestosidentificationlab.com

Batch: 50025

NVLAP®
Lab Code: 200919-0

January 22, 2020

Luke Krzyzewski
Green Environmental Inc.
296 C Weymouth St.
Rockland, MA 02370

Project Name: *22 South Broadway, Salem, NH*
Project Number: #19039
Date Sampled: 2020-01-15
Work Received: 2020-01-16
Work Analyzed: 2020-01-20

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

Dear Luke Krzyzewski,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Luke Krzyzewski for your business.

Michael Manning
Owner/Director

January 22, 2020

Luke Krzyzewski
Green Environmental Inc.
296 C Weymouth St.
Rockland, MA 02370

Project Name: *22 South Broadway, Salem, NH*
Project Number: #19039
Date Sampled: 2020-01-15
Work Received: 2020-01-16
Work Analyzed: 2020-01-20

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 554933	12" Gray Floor Tile	1st Floor, Unit 1- Main Area	green	Non-Fibrous 100	None Detected
1B / 554934	12' Gray Floor Tile	1st Floor, Unit 1- Main Area	green	Non-Fibrous 100	None Detected
2A / 554935	12' Gray Floor Tile Mastic	1st Floor, Unit 1- Main Area	yellow	Non-Fibrous 100	None Detected
2B / 554936	12' Gray Floor Tile Mastic	1st Floor, Unit 1- Main Area	yellow	Non-Fibrous 100	None Detected
3A / 554937	12" Black Floor Tile	1st Floor, Unit 1- Main Area	black	Non-Fibrous 100	None Detected
3B / 554938	12" Black Floor Tile	1st Floor, Unit 1- Main Area	black	Non-Fibrous 100	None Detected
4A / 554939	12" Black Floor Tile Mastic	1st Floor, Unit 1- Main Area	yellow	Non-Fibrous 100	None Detected
4B / 554940	12" Black Floor Tile Mastic	1st Floor, Unit 1- Main Area	yellow	Non-Fibrous 100	None Detected
5A / 554941	Ceramic Floor Tile Adhesive	1st Floor, Unit 1- Entry	gray	Cellulose 2 Non-Fibrous 98	None Detected
5B / 554942	Ceramic Floor Tile Adhesive	1st Floor, Unit 1- Entry	gray	Cellulose 2 Non-Fibrous 98	None Detected
6A / 554943	Ceramic Floor Tile Grout	1st Floor, Unit 1- Entry	gray	Non-Fibrous 100	None Detected
6B / 554944	Ceramic Floor Tile Grout	1st Floor, Unit 1- Entry	gray	Non-Fibrous 100	None Detected
7A / 554945	Pink Floor Leveler	1st Floor, Unit 1- Main Area	pink	Non-Fibrous 100	None Detected
7B / 554946	Pink Floor Leveler	1st Floor, Unit 1- Main Area	pink	Non-Fibrous 100	None Detected

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
8A 554947	White Sheet Floor	2nd Floor, Unit 1 Closet	white	Non-Fibrous 100	None Detected
8B 554948	White Sheet Floor	2nd Floor, Unit 1 Closet	white	Non-Fibrous 100	None Detected
9A 554949	Green Cove Base	1st Floor, Unit 1 Main Area	green	Non-Fibrous 100	None Detected
9B 554950	Green Cove Base	1st Floor, Unit 1 Main Area	green	Non-Fibrous 100	None Detected
10A 554951	Green Cove Base Adhesive	1st Floor, Unit 1 Main Area	yellow	Non-Fibrous 100	None Detected
10B 554952	Green Cove Base Adhesive	1st Floor, Unit 1 Main Area	yellow	Non-Fibrous 100	None Detected
11A 554953	Drywall	1st Floor, Unit 1- Main Area	multi	Cellulose 20 Non-Fibrous 80	None Detected
11B 554954	Drywall	2nd Floor, Unit 1- Offices	multi	Cellulose 20 Non-Fibrous 80	None Detected
12A 554955	Joint Compound	1st Floor, Unit 1- Main Area	white	Non-Fibrous 100	None Detected
12B 554956	Joint Compound	1st Floor, Unit 1- Main Area	white	Non-Fibrous 100	None Detected
12C 554957	Joint Compound	1st Floor, Unit 1 Main Area	white	Non-Fibrous 100	None Detected
12D 554958	Joint Compound	1st Floor, Unit 1 Main Area	white	Non-Fibrous 100	None Detected
12E 554959	Joint Compound	2nd Floor, Unit 1 Offices	white	Non-Fibrous 100	None Detected
12F 554960	Joint Compound	2nd Floor, Unit 1 Offices	white	Non-Fibrous 100	None Detected
12G 554961	Joint Compound	2nd Floor, Unit 1 Offices	white	Non-Fibrous 100	None Detected
13A 554962	Textured Ceiling	1st Floor, Unit 1 Main Area	white	Other 2 Non-Fibrous 98	None Detected
13B 554963	Textured Ceiling	1st Floor, Unit 1 Main Area	white	Other 2 Non-Fibrous 98	None Detected
13C 554964	Textured Ceiling	1st Floor, Unit 1 Main Area	white	Other 2 Non-Fibrous 98	None Detected

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
14A 554965	Interior Window Glaze	2nd Floor, Unit 1- Offices	multi	Other 2 Non-Fibrous 98	None Detected
14B 554966	Interior Window Glaze	2nd Floor, Unit 1- Offices	multi	Other 2 Non-Fibrous 98	None Detected
15A 554967	Pebble Pattern Sheet Floor	1st Floor, Unit 2- Closet	multi	Non-Fibrous 70	**Detected** **Chrysotile 30**
15B 554968	Pebble Pattern Sheet Floor	1st Floor, Unit 2- Closet			Not Analyzed
16A 554969	Pebble Pattern Sheet Floor Adhesive	1st Floor, Unit 2- Closet	tan	Non-Fibrous 100	None Detected
16B 554970	Pebble Pattern Sheet Floor Adhesive	1st Floor, Unit 2- Closet	tan	Non-Fibrous 100	None Detected
17A 554971	Ceramic Floor Tile Adhesive	1st Floor, Unit 2- Bath	tan	Non-Fibrous 100	None Detected
17B 554972	Ceramic Floor Tile Adhesive	2nd Floor, Unit 2- Bath	tan	Non-Fibrous 100	None Detected
18A 554973	Ceramic Floor Tile Grout	1st Floor, Unit 2- Bath	gray	Non-Fibrous 100	None Detected
18B 554974	Ceramic Floor Tile Grout	2nd Floor, Unit 2- Bath	gray	Non-Fibrous 100	None Detected
19A 554975	Drywall	1st Floor, Unit 2- Main Area	multi	Cellulose 20 Non-Fibrous 80	None Detected
19B 554976	Drywall	2nd Floor, Unit 2- Offices	multi	Cellulose 20 Non-Fibrous 80	None Detected
20A 554977	Joint Compound	1st Floor, Unit 2- Main Area	white	Non-Fibrous 100	None Detected
20B 554978	Joint Compound	1st Floor, Unit 2- Main Area	white	Non-Fibrous 100	None Detected
20C 554979	Joint Compound	1st Floor, Unit 2- Main Area	tan	Non-Fibrous 98	**Detected** **Chrysotile 2**
20D 554980	Joint Compound	2nd Floor, Unit 2- Offices			Not Analyzed
20E 554981	Joint Compound	2nd Floor, Unit 2- Offices			Not Analyzed
21A 554982	Textured Ceiling	1st Floor, Unit 2- Main Area	tan	Non-Fibrous 98	**Detected** **Chrysotile 2**

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
21B 554983	Textured Ceiling	1st Floor, Unit 2- Main Area			Not Analyzed
21C 554984	Textured Ceiling	1st Floor, Unit 2- Main Area			Not Analyzed
22A 554985	Textured Ceiling	2nd Floor, Unit 2- Offices	tan	Non-Fibrous 98	**Detected** **Chrysotile 2**
22B 554986	Textured Ceiling	2nd Floor, Unit 2- Offices			Not Analyzed
22C 554987	Textured Ceiling	2nd Floor, Unit 2- Offices			Not Analyzed
23A 554988	Interior Window Glaze	1st Floor, Unit 2- Main Area	multi	Other 2 Non-Fibrous 98	None Detected
23B 554989	Interior Window Glaze	1st Floor, Unit 2- Main Area	multi	Other 2 Non-Fibrous 98	None Detected
24A 554990	Interior Window Glaze	2nd Floor, Unit 2- Offices	multi	Non-Fibrous 100	None Detected
24B 554991	Interior Window Glaze	2nd Floor, Unit 2- Offices	multi	Non-Fibrous 100	None Detected
25A 554992	Faux Wood Floor Tile	1st Floor, Unit 3- Main Area	gray	Non-Fibrous 100	None Detected
25B 554993	Faux Wood Floor Tile	1st Floor, Unit 3- Main Area	gray	Non-Fibrous 100	None Detected
26A 554994	Faux Wood Floor Tile Adhesive	1st Floor, Unit 3- Main Area	yellow	Non-Fibrous 100	None Detected
26B 554995	Faux Wood Floor Tile Adhesive	1st Floor, Unit 3- Main Area	yellow	Non-Fibrous 100	None Detected
27A 554996	Ceramic Floor Tile Adhesive	1st Floor, Unit 3- Main Area	gray	Non-Fibrous 100	None Detected
27B 554997	Ceramic Floor Tile Adhesive	1st Floor, Unit 3- Main Area	gray	Non-Fibrous 100	None Detected
28A 554998	Ceramic Floor Tile Grout	1st Floor, Unit 3- Main Area	brown	Fiberglass 2 Non-Fibrous 98	None Detected
28B 554999	Ceramic Floor Tile Grout	1st Floor, Unit 3- Main Area	brown	Fiberglass 2 Non-Fibrous 98	None Detected
29A 555000	White Cove Base	1st Floor, Unit 3- Main Area	white	Non-Fibrous 100	None Detected

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
29B 555001	White Cove Base	1st Floor, Unit 3- Main Area	white	Non-Fibrous 100	None Detected
30A 555002	White Cove Base Adhesive	1st Floor, Unit 3- Main Area	tan	Non-Fibrous 100	None Detected
30B 555003	White Cove Base Adhesive	1st Floor, Unit 3- Main Area	tan	Non-Fibrous 100	None Detected
31A 555004	Drywall	1st Floor, Unit 3- Main Area	multi	Cellulose 20 Non-Fibrous 80	None Detected
31B 555005	Drywall	1st Floor, Unit 3- Main Area	multi	Cellulose 20 Non-Fibrous 80	None Detected
32A 555006	Joint Compound	1st Floor, Unit 3- Main Area	white	Non-Fibrous 100	None Detected
32B 555007	Joint Compound	1st Floor, Unit 3- Main Area	white	Non-Fibrous 100	None Detected
32C 555008	Joint Compound	1st Floor, Unit 3- Main Area	white	Non-Fibrous 100	None Detected
33A 555009	Textured Ceiling	1st Floor, Unit 3- Main Area	multi	Non-Fibrous 98	**Detected** **Chrysotile 2**
33B 555010	Textured Ceiling	1st Floor, Unit 3- Main Area			Not Analyzed
33C 555011	Textured Ceiling	1st Floor, Unit 3- Main Area			Not Analyzed
34A 555012	Panel Adhesive	1st Floor, Unit 3- Main Area	tan	Non-Fibrous 100	None Detected
34B 555013	Panel Adhesive	1st Floor, Unit 3- Main Area	tan	Non-Fibrous 100	None Detected
35A 555014	Black Sink Coating	1st Floor, Unit 3- Main Area	black	Non-Fibrous 97	**Detected** **Chrysotile 3**
35B 555015	Black Sink Coating	1st Floor, Unit 3- Main Area			Not Analyzed
36A 555016	Gray Window Glaze	1st Floor, Unit 3- Main Area	gray	Non-Fibrous 97	**Detected** **Chrysotile 3**
36B 555017	Gray Window Glaze	1st Floor, Unit 3- Main Area			Not Analyzed
37A 555018	9" Tan Floor Tile	1st Floor, Unit 4- Main Area	tan	Non-Fibrous 98	**Detected** **Chrysotile 2**

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
37B 555019	9" Tan Floor Tile	1st Floor, Unit 4- Main Area			Not Analyzed
38A 555020	9" Tan Floor Tile Black Mastic	1st Floor, Unit 4- Main Area	black	Non-Fibrous 95	**Detected** **Chrysotile 5**
38B 555021	9" Tan Floor Tile Black Mastic	1st Floor, Unit 4- Main Area			Not Analyzed
39A 555022	Ceramic Floor Tile Adhesive	1st Floor, Unit 4- Bath	gray	Non-Fibrous 100	None Detected
39B 555023	Ceramic Floor Tile Adhesive	1st Floor, Unit 4- Bath	gray	Non-Fibrous 100	None Detected
40A 555024	Ceramic Floor Tile Grout	1st Floor, Unit 4- Bath	gray	Non-Fibrous 100	None Detected
40B 555025	Ceramic Floor Tile Grout	1st Floor, Unit 4- Bath	gray	Non-Fibrous 100	None Detected
41A 555026	Ceramic Wall Tile Adhesive	1st Floor, Unit 4- Bath	tan	Non-Fibrous 98	**Detected** **Chrysotile 2**
41B 555027	Ceramic Wall Tile Adhesive	1st Floor, Unit 4- Bath			Not Analyzed
42A 555028	Ceramic Wall Tile Grout	1st Floor, Unit 4- Bath	white	Non-Fibrous 100	None Detected
42B 555029	Ceramic Wall Tile Grout	1st Floor, Unit 4- Bath	white	Non-Fibrous 100	None Detected
43A 555030	Drywall	1st Floor, Unit 4- Main Area	multi	Cellulose 20 Non-Fibrous 80	None Detected
43B 555031	Drywall	1st Floor, Unit 4- Main Area	multi	Cellulose 20 Non-Fibrous 80	None Detected
44A 555032	Joint Compound	1st Floor, Unit 4- Main Area	white	Non-Fibrous 100	None Detected
44B 555033	Joint Compound	1st Floor, Unit 4- Main Area	white	Non-Fibrous 100	None Detected
44C 555034	Joint Compound	1st Floor, Unit 4- Main Area	white	Non-Fibrous 100	None Detected
45A 555035	2x4 Textured Ceiling Tile	1st Floor, Unit 4- Main Area	brown	Cellulose 98 Non-Fibrous 2	None Detected
45B 555036	2x4 Textured Ceiling Tile	1st Floor, Unit 4- Main Area	brown	Cellulose 98 Non-Fibrous 2	None Detected

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
46A 555037	Panel Adhesive	1st Floor, Unit 4- Main Area	brown	Non-Fibrous 98	**Detected** **Chrysotile 2**
46B 555038	Panel Adhesive	1st Floor, Unit 4- Main Area			Not Analyzed
47A 555039	Brown Siding Paper	Exterior, East Side	brown	Cellulose 95 Non-Fibrous 5	None Detected
47B 555040	Brown Siding Paper	Exterior, East Side	brown	Cellulose 95 Non-Fibrous 5	None Detected
48A 555041	Roof Paper	Exterior, Old Roof	black	Cellulose 60 Non-Fibrous 40	**Detected** **Chrysotile < 1**
48B 555042	Roof Paper	Exterior, Old Roof	black	Cellulose 60 Non-Fibrous 40	**Detected** **Chrysotile < 1**
49A 555043	Asphalt Shingle (Brown)	Exterior, Old Roof	black	Cellulose 20 Non-Fibrous 80	None Detected
49B 555044	Asphalt Shingle (Brown)	Exterior, Old Roof	black	Cellulose 20 Non-Fibrous 80	None Detected
50A 555045	Black Roof Paper	Exterior, Roof	black	Fiberglass 20 Non-Fibrous 80	None Detected
50B 555046	Black Roof Paper	Exterior, Roof	black	Fiberglass 20 Non-Fibrous 80	None Detected
51A 555047	Asphalt Shingle (Black)	Exterior, Roof	black	Fiberglass 20 Non-Fibrous 80	None Detected
51B 555048	Asphalt Shingle (Black)	Exterior, Roof	black	Fiberglass 20 Non-Fibrous 80	None Detected
52A 555049	Rolled Asphalt	Exterior, Roof	black	Fiberglass 10 Non-Fibrous 90	None Detected
52B 555050	Rolled Asphalt	Exterior, Roof	black	Fiberglass 10 Non-Fibrous 90	None Detected

Wednesday 22

Analyzed by: Erik Gongas

End of Report

Batch: 50025

Client: Green Env.

Address:

Project Site & #: 22 South Broadway

Phone / email address:

Contact:

Relinquish by/date:

Received by/date: 1/16/20

# of Samples Received: 118

CHAIN OF CUSTODY

EPA/600/R-93/116

Asbestos Identification Lab

165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled:

BATCH# 50025 Rev 06/16

Turnaround Time		Sample Method	
☐	Less 3 Hrs	☑	Bulk
☐	Same Day	☐	Soil
☐	Next Day	☐	Wipe
☑	Two Day 4 Day	☐	Point Count

Stop on 1st Positive? Yes/No

Notify Method: Mail/E-Mail/Verbal

Analyzed By:

Date: 1/20/2020

Temp in Celsius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
554933	1A	Material	0	Br	Ho	Sm		Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
31	1B	Material	0	Br	Ho	Sm		Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
35	2A	Material	0	Y	Y	Sm		Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 27 / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
36	2B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	G	G	Gr	N	Tremolite															100
								Anthophyllite															
								Actinolite															
37	3A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	DK/V		Gr	N	Tremolite															100
								Anthophyllite															
								Actinolite															
38	3B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	DK	N	Gr	N	Tremolite															100
								Anthophyllite															
								Actinolite															
39	4A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	G	G	Gr	N	Tremolite															100
								Anthophyllite															
								Actinolite															
40	4B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	G	G	Gr	N	Tremolite															100
								Anthophyllite															
								Actinolite															

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
A1	5A	Material	0	y	y	sm	r	Chrysotile									8						
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									2						98
								Actinolite															
A2	5B	Material	0	y	y	sm	r	Chrysotile															
		Location						Amosite															
								Crocidolite									5						
								Tremolite															
								Anthophyllite									2						98
								Actinolite															
A3	6A	Material	0	y	y	sm	w	Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															~~NA~~ IW EG
								Actinolite															
A4	6B	Material	0	y	y	sm	r	Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															~~NA~~ IW EG
								Actinolite															
A5	7A	Material	0	p	y	sm	r	Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															IW
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 22 / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
46	7B	Material	0	P	y	sl	sl	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															fw
								Anthophyllite															
								Actinolite															
47	8A	Material	0	w	y	sl	~	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															fw
								Anthophyllite															
								Actinolite															
48	8B	Material	0	w	y	sl	~	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															fw
								Anthophyllite															
								Actinolite															
49	9A	Material	0	sl	y	sl	~	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															fw
								Anthophyllite															
								Actinolite															
50	9B	Material	0	sl	y	sl	~	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															fw
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 20 / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties							RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
S1	10A	Material	C	T	U	SM	S	Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																1W
								Anthophyllite																
								Actinolite																
S2	10B	Material	C	T	U	SM	S	Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																1W
								Anthophyllite																
								Actinolite																
S3	11A	Material	O	W	N	SM	Y	Chrysotile																
								Amosite																
								Crocidolite												12				
		Location						Tremolite												20				80
								Anthophyllite																
								Actinolite																
S4	11B	Material	O	W	N	SM	Y	Chrysotile																
								Amosite																
								Crocidolite												12				
		Location						Tremolite												20				80
								Anthophyllite																
								Actinolite																
S5	12A	Material	O	W	U	SM	Y	Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																1W
								Anthophyllite																
								Actinolite																

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
56	12B	Material						Chrysotile															
		Location	O	wh	y	fry		Amosite															
								Crocidolite															
								Tremolite															10
								Anthophyllite															
								Actinolite															
57	12C	Material						Chrysotile															
		Location	O	wh	y	fry		Amosite															
								Crocidolite															
								Tremolite															10
								Anthophyllite															
								Actinolite															
58	12D	Material						Chrysotile															
		Location	O	wh	y	fry		Amosite															
								Crocidolite															
								Tremolite															10
								Anthophyllite															
								Actinolite															
59	12E	Material						Chrysotile															
		Location	O	wh	y	fry		Amosite															
								Crocidolite															
								Tremolite															10
								Anthophyllite															
								Actinolite															
60	12F	Material						Chrysotile															
		Location	O	wh	y	fry		Amosite															
								Crocidolite															
								Tremolite															10
								Anthophyllite															
								Actinolite															

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
01	12G	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	C	wh	y	fib	y	Tremolite															100
								Anthophyllite															
								Actinolite															
02	13A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	C	wh	y	fib	y	Tremolite														2	98
								Anthophyllite															
								Actinolite															
03	13B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	C	wh	y	fib	y	Tremolite														2	98
								Anthophyllite															
								Actinolite															
04	13C	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	C	wh	y	fib	y	Tremolite														2	98
								Anthophyllite															
								Actinolite															
05	14A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	C	wh	y	fib	y	Tremolite														2	98
								Anthophyllite															
								Actinolite															

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	∥	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
06	14B	Material	0	M	Y	SR	Y	Chrysotile															
								Amosite															
								Crocidolite														45	
		Location						Tremolite															
								Anthophyllite														2	95
								Actinolite															
07	15A	Material	0	M	N	SR	N	Chrysotile	30	W	=	+	L	N	(w)	(w)							
								Amosite															
								Crocidolite															
		Location						Tremolite															70
								Anthophyllite															
								Actinolite															
08	15B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
09	16A	Material	0	T	Y	SR	N	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															10
								Actinolite															
10	16B	Material	0	T	Y	SR	N	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															10
								Actinolite															

DNA

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
71	17A	Material						Chrysotile															
		Location	0	T	J	S	N	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
72	17B	Material						Chrysotile															
		Location	0	T	J	S	N	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
73	18A	Material						Chrysotile															
		Location	0	gy	g	S	N	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
74	18B	Material						Chrysotile															
		Location	0	gy	J	S	N	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
75	19A	Material						Chrysotile															
		Location	0	M	N	gy	gy	Amosite															
								Crocidolite											2				
								Tremolite															
								Anthophyllite											20				80
								Actinolite															

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties							RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
76	19B	Material	O	M	~	Fr	Fr	Chrysotile															
								Amosite															
								Crocidolite											2				
		Location						Tremolite											20				80
								Anthophyllite															
								Actinolite															
77	20A	Material	O	M	~	Fr	Fr	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															10
								Anthophyllite															
								Actinolite															
78	20B	Material	O	M	~	Fr	Fr	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															10
								Actinolite															
79	20C	Material	O	T	~	Fr	Fr	Chrysotile	2	3	=	+	L	~	low	low							
								Amosite															
								Crocidolite															
		Location						Tremolite															98
								Anthophyllite															
								Actinolite															
80	20D	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															

DNA

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = RT / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
A1	20E	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																DNA
								Anthophyllite																
								Actinolite																
A2	21A	Material						Chrysotile	+	W	=	+	C	N	Mw	Mw								
								Amosite																
								Crocidolite																
		Location	0	T	y	Sm	y	Tremolite																
								Anthophyllite																98
								Actinolite																
A3	21B	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																DNA
								Anthophyllite																
								Actinolite																
A4	21C	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																DNA
								Anthophyllite																
								Actinolite																
A5	22A	Material						Chrysotile	+	W	=	+	C	N	Mw	Mw								
								Amosite																
								Crocidolite																
		Location	0	T	y	Sm	y	Tremolite																
								Anthophyllite																98
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 21 / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
22	22B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
23	22C	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
24	23A	Material						Chrysotile															
								Amosite															
								Crocidolite														±	
		Location	0	wh	y	fri	y	Tremolite														2	98
								Anthophyllite															
								Actinolite															
25	23B	Material						Chrysotile															
								Amosite														±	
			0	wh	y	fri	y	Crocidolite															
		Location						Tremolite														2	98
								Anthophyllite															
								Actinolite															
26	24A	Material						Chrysotile															
								Amosite															
			0	wh	y	fri	y	Crocidolite															
		Location						Tremolite															(3
								Anthophyllite															
								Actinolite															

DW

DW

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = RT / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties							RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
91	24B	Material						Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
92	25A	Material						Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
93	25B	Material						Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
94	26A	Material						Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
95	26B	Material						Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 21 / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
06	27A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	2	y	sr	s	Tremolite															
								Anthophyllite															
								Actinolite															100
07	27B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	2	y	sr	s	Tremolite															
								Anthophyllite															
								Actinolite															100
08	28A	Material						Chrysotile															
								Amosite															
								Crocidolite									2						
		Location	0	sr	y	sr	s	Tremolite															
								Anthophyllite									2						98
								Actinolite															
09	28B	Material						Chrysotile															
								Amosite									3						
								Crocidolite															
		Location	0	sr	y	sr	s	Tremolite															
								Anthophyllite									2						98
								Actinolite															
SS5000	29A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	sr	y	sr	s	Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 27 / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties							RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
01	29B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	O	Wh	y	Sft	N	Tremolite															
								Anthophyllite															
								Actinolite															100
02	30A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	O	T	y	gh	N	Tremolite															
								Anthophyllite															
								Actinolite															100
03	30B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	O	T	y	Sft	N	Tremolite															
								Anthophyllite															
								Actinolite															100
04	31A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	O	Wh	N	Sft	y	Tremolite															
								Anthophyllite															
								Actinolite															80
05	31B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	O	Wh	N	Sft	y	Tremolite															
								Anthophyllite															
								Actinolite															80

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
06	32A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															100
07	32B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															100
08	32C	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															100
09	33A	Material						Chrysotile	2	W	=	+	C	N									
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															98
10	33B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															DNT

Temp in Celcius = 27

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
11	33C	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																DNA
								Anthophyllite																
								Actinolite																
12	34A	Material	C	T	y	gr	w	Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite															10	
13	34B	Material	C	T	y	gr	w	Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite															10	
14	35A	Material	C	blu-y	y	gr	w	Chrysotile	3	w	=	+	C	~	low	high								
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite															97	
15	35B	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																DNA
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 21 / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
16	36A	Material	0	yy	y	Sm	y	Chrysotile	3	w	=	+	L	~	(w	(w							
		Location						Amosite															
								Crocidolite															
								Tremolite															97
								Anthophyllite															
								Actinolite															
17	36B	Material						Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
18	37A	Material	CT		~	Sm	~	Chrysotile	2	w	=	+	L	~	(w	(w							
		Location						Amosite															
								Crocidolite															
								Tremolite															98
								Anthophyllite															
								Actinolite															
19	37B	Material						Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
20	38A	Material	0	Obly	y	Sm	N	Chrysotile	5	w	=	+	L	~	(w	(w							
		Location						Amosite															
								Crocidolite															
								Tremolite															95
								Anthophyllite															
								Actinolite															

DNA

DNA

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 21 / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
21	38B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
22	39A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	yy	y	~		Tremolite															
								Anthophyllite															
								Actinolite															100
23	39B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	yy	y	~		Tremolite															
								Anthophyllite															
								Actinolite															100
24	40A	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	yy	y	~		Tremolite															
								Anthophyllite															
								Actinolite															100
25	40B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	yy	y	~		Tremolite															
								Anthophyllite															
								Actinolite															100

DNA

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
26	41A	Material	0	T	H	Sm		Chrysotile	2	W	=	+	C	N	[illegible]	[illegible]							
								Amosite															
								Crocidolite															
		Location						Tremolite															98
								Anthophyllite															
								Actinolite															
27	41B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
28	42A	Material	0	Wh	H	Sm	N	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															16
								Actinolite															
29	42B	Material	0	Wh	H	Sm	N	Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															12
								Actinolite															
30	43A	Material	0	Wh	H	Sm	N	Chrysotile															
								Amosite															
								Crocidolite											2				
		Location						Tremolite															
								Anthophyllite											2				8
								Actinolite															

DUP

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 21 / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
31	43B	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite																
32	44A	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite																
33	44B	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite																
34	44C	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite																
35	45A	Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite																

EG

Temp in Celcius = 27

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
36	45B	Material						Chrysotile															
		Location	0	bk	~	R	~	Amosite															
								Crocidolite											2				
								Tremolite											98				2
								Anthophyllite															
								Actinolite															
37	46A	Material						Chrysotile	2	ω	=	+	∪	~									
		Location	0	bk	~	R	~	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															98
								Actinolite															
38	46B	Material						Chrysotile															
		Location						Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
39	47A	Material						Chrysotile															
		Location	0	bk	~	R	~	Amosite															
								Crocidolite											2				
								Tremolite											95				5
								Anthophyllite															
								Actinolite															
40	47B	Material						Chrysotile															
		Location	0	bk	~	R	~	Amosite															
								Crocidolite											2				
								Tremolite											95				5
								Anthophyllite															
								Actinolite															

DNA

Temp in Celcius = RT

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1	48A	Material	C	Blk	~	95/R	~	Chrysotile	TR	W	=	+	L	~	(blue)	(blue)							
								Amosite											2				
		Location						Crocidolite																
								Tremolite											60				40
								Anthophyllite															
								Actinolite															
2	48B	Material	C	Blk	~	95/R	~	Chrysotile	TR	W	=	+	L	~	(blue)	(blue)							
								Amosite											2				
		Location						Crocidolite																
								Tremolite											60				40
								Anthophyllite															
								Actinolite															
3	49A	Material	C	Blk	~	95/R	~	Chrysotile															
								Amosite											2				
		Location						Crocidolite																
								Tremolite											20				80
								Anthophyllite															
								Actinolite															
4	49B	Material	C	Blk	~	95/R	~	Chrysotile															
								Amosite											2				
		Location						Crocidolite																
								Tremolite											20				80
								Anthophyllite															
								Actinolite															
5	50A	Material	C	Blk	~	95/R	~	Chrysotile															
								Amosite									2						
		Location						Crocidolite																
								Tremolite									20						80
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = 27 / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
46	50B	Material	0	blk	~	~	~	Chrysotile															
								Amosite															
								Crocidolite									2						
		Location						Tremolite															
								Anthophyllite									20		~~20~~				80
								Actinolite															
47	51A	Material	0	blk	~	~	~	Chrysotile															
								Amosite															
								Crocidolite									2						
		Location						Tremolite															
								Anthophyllite									20						80
								Actinolite															
48	51B	Material	0	blk	~	~	~	Chrysotile															
								Amosite															
								Crocidolite									2						
		Location						Tremolite															
								Anthophyllite									20						80
								Actinolite															
49	52A	Material	0	blk	~	~	~	Chrysotile															
								Amosite															
								Crocidolite									2						
		Location						Tremolite															
								Anthophyllite									10						90
								Actinolite															
50	52B	Material	0	blk	~	~	~	Chrysotile															
								Amosite															
								Crocidolite									2						
		Location						Tremolite															
								Anthophyllite									10						90
								Actinolite															

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 1 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	1st	Unit 1- main Area	12" Gray Floor Tile	1A		
			↓	1B		
			12" Gray Floor Tile mastic	2A		
			↓	2B		
			12" Black Floor Tile	3A		
			↓	3B		
			12" Black Floor Tile mastic	4A		
			↓	4B		
		Unit 1 Entry	Ceramic Floor Tile Adhesive	5A		
			↓	5B		
			Ceramic Floor Tile Grout	6A		
			↓	6B		

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples
	1/16/2020	118		1/16/20		

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 2 of 18

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	1st	Unit 1 - main Area	Pink Floor Leveler	7A		—
↓	↓	↓	↓	7B		-
	2nd	Unit 1 Closet	White Sheet Floor	8A		—
	↓	↓	↓	8B		-
	1st	Unit 1 main Area	Green Cove Base	9A		—
	↓	↓	↓	9B		—
			Green Cove Base Adhesive	10A		—
	↓	↓	↓	10B		—
	1st	Unit 1 - main Area	Drywall	11A		—
	2nd	Unit 1 - offices	↓	11B		—
	1st	Unit 1 - main Area	Joint Compound	12A		—
↓	↓	↓	↓	12B		—

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 3 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	1st	Unit 1 Main Area	Joint compound	12C		
↓	↓	↓	↓	12D		
↓	2nd	Unit 1 - offices	↓	12E		
↓	↓	↓	↓	12F		
↓	↓	↓	↓	12G		
↓	1st	Unit 1 Main Area	Textured Ceiling	13A		
↓	↓	↓	↓	13B		
↓	↓	↓	↓	13C		
↓	2nd	Unit 1 - offices	Interior window - window Glaze	14A		
↓	↓	↓	↓	14B		
↓	1st	Unit 2 - Closet	Pebble Pattern Sheet Floor	15A		
↓	↓	↓	↓	15B		

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 4 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	1st	Unit 2 - Closet	Pebble Pattern Sheet Floor Adhesive	16A		
↓	↓	↓	↓	16B		
	1st	Unit 2 - Bath	Ceramic Floor Tile Adhesive	17A		
	2nd	↓	↓	17B		
	1st		Ceramic Floor Tile Grout	18A		
	2nd		↓	18B		
	1st	Unit 2 - main Area	Drywall	19A		
	2nd	Unit 2 - offices	↓	19B		
	1st	Unit 2 - main Area	Joint Compound	20A		
	↓	↓	↓	20B		
	↓	↓		20C		
↓	2nd	Unit 2 - offices	↓	20D		

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 5 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	2nd	Unit 2- offices	Joint Compound	20E		-
	1st	Unit 2- Main Area	Textured Ceiling	21A		-
	↓	↓	↓	21B		-
	↓	↓	↓	21C		-
	2nd	Unit 2- offices	Textured Ceiling	22A		-
	↓	↓	↓	22B		-
	↓	↓	↓	22C		-
	1st	Unit 2- Main Area	Interior window glaze	23A		
	↓	↓	↓	23B		-
	2nd	Unit 2- offices	Interior window glaze	24A		-
	↓	↓	↓	24B		-
*	1st	Unit 3- Main Area	Faux wood Floor Tile	25A		-

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 6 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	1st	Unit 3- Main Area	Faux Wood Floor Tile	25B		
			Faux Wood Floor Tile Adhesive	26A		
			↓	26B		
			Ceramic Floor Tile Adhesive	27A		
			↓	27B		
			Ceramic Floor Tile Grout	28A		
			↓	28B		
			White Cove Base	29A		
			↓	29B		
			White Cove Base Adhesive	30A		
			↓	30B		
			Drywall	31A		

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 7 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	1st	Unit 3 - Main Bra	Drywall	31B.		
			Joint Compound	32, A		
			↓	32, B		
			↓	32 C		
			Textured Ceiling	33 A		
			↓	33 B		
			↓	33 C		
			Panel Adhesive	34 A		
			↓	34 B		
			Black Sash Coating	35 A		
			↓	35 B		
			Gray Window Glaze	36 A		

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 8 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	1st	Unit 3 - Main Area	Grey window glaze	36B		-
	1st	Unit 4 - main Area	9" Tan Floor Tile	37A		-
	↓	↓	↓	37B		-
	↓	↓	9" Tan Floor Tile Black Mastic	38A		-
	↓	↓	↓	38B		-
	↓	Unit 4 - Bath	Ceramic Floor Tile Adhesive	39A		-
	↓	↓	↓	39B		-
	↓	↓	Ceramic Floor Tile Grout	40A		-
	↓	↓	↓	40B		-
	↓	↓	Ceramic Wall Tile Adhesive	41A		-
	↓	↓	↓	41B		-
	↓	↓	Ceramic Wall Tile Grout	42A		-

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 9 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	1st	Unit 4 - Bath	Ceramic Wall Tile Grout	42 B		
↓	↓	Unit 4 - Main Area	Drywall	43 A		
↓	↓	↓	↓	43 B		
↓	↓	↓	Joint Compound	44 A		
↓	↓	↓	↓	44 B		
↓	↓	↓	↓	44 C		
↓	↓	↓	2x4 Textured Ceiling Tile	45 A		
↓	↓	↓	↓	45 B		
↓	↓	↓	Panel Adhesive	46 A		
↓	↓	↓	↓	46 B		
↓	Exterior	East Side	Brown Siding Paint	47 A		
↓	↓	↓	↓	47 B		

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

GREEN ENVIRONMENTAL

Bulk Sampling Chain-of-Custody

Client: VHB Date: 1/15/2020 Page: 10 of 10

Project Address: 22 South Broadway, Salem NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3-4 days

Email: lkrzyzewski@greenenvironmental.com

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
22 South Broadway	Exterior	Old Roof	Roof Paper	48A		-
			↓	48B		-
			Asphalt Shingle (Brown)	49A		-
			↓	49B		-
		Roof	Black Roof Paper	50A		-
			↓	50B		-
			Asphalt Shingle (Black)	51A		-
			↓	51B		-
			Poiled Asphalt	52A		-
			↓	52B		-

Relinquish By	Date	#Samples	Received By	Date	Time	# Samples

Appendix E

GREEN
ENVIRONMENTAL

Appendix E Locations of the Identified Asbestos-Containing Materials 22 South Broadway, Salem, NH		
Location	**Material Description**	**Estimated Quantity**
Unit 1		
Attic	Old Roof - Roof Paper (Trace <1%)	500 SF
Unit 2		
1st Floor - Closet (below stairs)	Pebble Pattern Sheet Floor	10 SF
1st Floor - Throughout	Joint Compound	2,500 SF
	Textured Ceiling	900 SF
2nd Floor - Throughout	Joint Compound	2,500 SF
	Textured Ceiling	900 SF
Attic	Old Roof - Roof Paper (Trace <1%)	500 SF
Unit 3		
Throughout	Textured Ceiling	500 SF
Main Area	Black Sink Coating	1 Units
Entry	Gray Window Glaze	3 Units
Unit 4		
Throughout	9" Tan Floor Tile and Black Mastic	450 SF
	Panel Adhesive	700 SF
Bath	Ceramic Wall Tile Adhesive	45 SF
Attic	Old Roof - Roof Paper (Trace <1%)	400 SF
Notes: 1. SF = Square Feet 2. Unit = Each		

Appendix F

GREEN
ENVIRONMENTAL

Titan Lead Testing, LLC

Titan Lead Testing, LLC
PO Box 760709
Melrose, MA 02176

Tel: 781-799-8763
Fax: 781-662-3300

January 23, 2020
Luke Krzyzewski
Green Environmental
296 Weymouth St., Unit C
Rockland, MA 02370

RE: Lead Paint Testing Results
22 South Broadway
Salem, New Hampshire

Dear Mr. Krzyzewski:

This report presents the results of testing for the presence of lead paint on interior painted at 22 South Broadway, Salem, New Hampshire. Representative of Titan Lead Testing (Titan), Mr. David Pesce performed the testing on January 15, 2020. Mr. Pesce is manufacturer's-trained in the proper use and interpretation of results of the XRF Spectrum Analyzer. Mr. Pesce is also a New Hampshire Department of Health and Human Services licensed Lead Inspector and Risk Assessor (Lic # RA-00059).

Scope of Work

The purpose of the lead testing was to determine the lead content of various painted building substrates prior to renovation and demolition activities. Selected relevant accessible painted surfaces were tested by Titan. Concentrations of lead in paint were measured on site by portable XRF analysis.

Sampling Protocol

The lead content of painted surfaces was determined using a portable X-ray Fluorescence (XRF) Spectrum Analyzer (HEURESIS Pb200i; Serial # 1645). The XRF Spectrum Analyzer uses a radioactive source to excite the electrons of lead atoms (if present) in paints. As the lead atom electrons return to their normal state, they emit X-rays, which are counted by the XRF Spectrum Analyzer. This data is processed and the results are converted to milligrams of lead per square centimeter (mg/cm^2) of sampled surface area.

Results

The XRF testing results indicate that levels of lead on surfaces tested range from less than 0.1 mg/cm^2 (lower limit of quantification of the XRF) to 1.0 mg/cm^2. Renovation and demolition activities that impact surfaces where lead may be present require specific work practices and disposal requirements. A summary of the lead testing results is attached.

Recommendations

The employer of workers who disturb or remove lead paint must comply with OSHA Standard 29 CFR 1926.62 - Lead. This applies to all construction work, alteration, or repair, including painting, where an employee may be occupationally exposed to lead. This standard does not establish a minimum threshold for the lead content, below which an initial exposure assessment is not required. An initial exposure assessment is required for each renovation or demolition activity that will disturb lead. This standard also contains additional requirements concerning the disturbance or removal of lead.

Limitations

Lead paint testing was performed on representative building substrates in selected building areas. Additional lead-containing building substrates and components may be present in other building areas or hidden by floor, wall and ceiling finishes or otherwise may be inaccessible.

Lead paint testing was performed to determine the lead content of painted building components that may be impacted by renovation activities and should **not** be used to determine compliance with the New Hampshire Lead Paint Poisoning Prevention and Control Act (RSA 130-A)

Please call if you have any questions or require additional information.

Sincerely,

David Pesce

Attachment

ATTACHMENT

LEAD TESTING RESULTS BY XRF

Lead Paint Testing Results by XRF
22 South Broadway
Salem, New Hampshire
January 15, 2020

Room/Area	Location/Component	Color	Substrate	Results (mg/cm^2)
1st Floor - Cutting Edge Main Room	Wall	Gray	Gypsum	< 0.1
1st Floor - Cutting Edge Main Room	Wall	Dark Gray	Gypsum	< 0.1
1st Floor - Cutting Edge Main Room	Window Sill	White	Wood	< 0.1
1st Floor - Cutting Edge Main Room	Window Casing	White	Wood	< 0.1
1st Floor - Cutting Edge Main Room	Door	White	Wood	< 0.1
1st Floor - Cutting Edge Main Room	Door Casing	White	Wood	< 0.1
1st Floor - Cutting Edge Main Room	Door Jamb	White	Wood	0.2
1st Floor - Cutting Edge Main Room	Baseboard	White	Vinyl	< 0.1
1st Floor - Cutting Edge Main Room	Shelf Support	White	Metal	< 0.1
1st Floor - Cutting Edge Main Room	Chair Rail	White	Wood	< 0.1
1st Floor - Cutting Edge Main Room	Cheiling	White	Gypsum	< 0.1
1st Floor - Cutting Edge Main Room	Column	Gray	Gypsum	< 0.1
1st Floor - Cutting Edge Main Room	Closet Door	Dark Gray	Wood	< 0.1
1st Floor - Cutting Edge Main Room	Closet Jamb	White	Wood	< 0.1
1st Floor - Cutting Edge Main Room	Closet Shelf	White	Wood	0.4
1st Floor - Cutting Edge - Rear Area	Wall	Gray	Gypsum	< 0.1
1st Floor - Cutting Edge - Rear Area	Ceiling	White	Gypsum	< 0.1
1st Floor - Cutting Edge - Rear Area	Baseboard	White	Vinyl	< 0.1
1st Floor - Cutting Edge - Rear Area	Shutters	Dark Gray	Wood	< 0.1
1st Floor - Cutting Edge - Rear Area	Closet Shelf	White	Wood	< 0.1
1st Floor - Cutting Edge - Rear Area	Cabinet	Black	Wood	< 0.1
1st Floor - Cutting Edge - Rear Area	Shelf	Black	Wood	< 0.1
1st Floor - Cutting Edge Bathroom	Wall	Gray	Gypsum	< 0.1
1st Floor - Cutting Edge Bathroom	Door	Dark Gray	Wood	< 0.1

Lead Paint Testing Results by XRF
22 South Broadway
Salem, New Hampshire
January 15, 2020

Room/Area	Location/Component	Color	Substrate	Results (mg/cm^2)
1st Floor - Cutting Edge Bathroom	Door Casing	White	Wood	< 0.1
1st Floor - Cutting Edge Bathroom	Door Jamb	White	Wood	< 0.1
1st Floor - Cutting Edge Bathroom	Cabinet	White	Wood	< 0.1
1st Floor - Cutting Edge Bathroom	Ceiling	White	Wood	< 0.1
1st Floor - Front Common Entry Hall	Wall	White	Gypsum	< 0.1
1st Floor - Front Common Entry Hall	Ceiling	White	Gypsum	< 0.1
1st Floor - Front Common Entry Hall	Door	Brown	Metal	< 0.1
1st Floor - Front Common Entry Hall	Door Casing	White	Wood	< 0.1
1st Floor - Front Common Entry Hall	Door Jamb	White	Wood	< 0.1
1st Floor - Front Common Entry Hall	Door	Brown	Wood	< 0.1
1st Floor - Front Common Entry Hall	Door Casing	Brown	Wood	< 0.1
1st Floor - Front Common Entry Hall	Door Jamb	Brown	Wood	< 0.1
1st Floor - Front Common Entry Hall	Baseboard	Brown	Wood	< 0.1
South Stairs 1st to 2nd	Wall	Yellow	Gypsum	< 0.1
South Stairs 1st to 2nd	Baseboard	White	Wood	< 0.1
South Stairs 1st to 2nd	Ceiling	White	Gypsum	< 0.1
South Stairs 1st to 2nd	Door	White	Wood	< 0.1
South Stairs 1st to 2nd	Door Casing	White	Wood	< 0.1
South Stairs 1st to 2nd	Door Jamb	White	Wood	< 0.1
South Stairs 1st to 2nd	Window Casing	White	Wood	0.2
South Stairs 1st to 2nd	Window Sash	White	Wood	0.2
South Stairs 1st to 2nd	Railing Cap	Black	Metal	< 0.1
South Stairs 1st to 2nd	Balusters	Black	Metal	< 0.1
2nd Floor South Right Front Office #6	Wall	Yellow	Gypsum	< 0.1
2nd Floor South Right Front Office #6	Baseboard	White	Wood	< 0.1
2nd Floor South Right Front Office #6	Ceiling	White	Gypsum	< 0.1
2nd Floor South Right Front Office #6	Window Sill	White	Wood	< 0.1
2nd Floor South Right Front Office #6	Door	White	Wood	< 0.1

Lead Paint Testing Results by XRF
22 South Broadway
Salem, New Hampshire
January 15, 2020

Room/Area	Location/Component	Color	Substrate	Results (mg/cm^2)
2nd Floor South Right Front Office #6	Door Casing	White	Wood	< 0.1
2nd Floor South Right Front Office #6	Door Jamb	White	Wood	< 0.1
2nd Floor South Center Front Office #5	Wall	Brown	Gypsum	< 0.1
2nd Floor South Center Front Office #5	Baseboard	White	Wood	< 0.1
2nd Floor South Center Front Office #5	Ceiling	White	Gypsum	< 0.1
2nd Floor South Center Front Office #5	Door	White	Wood	< 0.1
2nd Floor South Center Front Office #5	Door Casing	White	Wood	< 0.1
2nd Floor South Center Front Office #5	Door Jamb	White	Wood	< 0.1
2nd Floor South Center Front Office #5	Window Sill	White	Wood	< 0.1
2nd Floor South Center Rear Office #2	Wall	Yellow	Gypsum	< 0.1
2nd Floor South Center Rear Office #2	Ceiling	White	Gypsum	< 0.1
2nd Floor South Center Rear Office #2	Baseboard	White	Wood	< 0.1
2nd Floor South Center Rear Office #2	Door	White	Wood	< 0.1
2nd Floor South Center Rear Office #2	Door Casing	White	Wood	< 0.1
2nd Floor South Center Rear Office #2	Door Jamb	White	Wood	< 0.1
2nd Floor South Center Rear Office #2	Window Sill	White	Wood	< 0.1
2nd Floor South Center Rear Office #2	Window Sash	White	Wood	< 0.1
2nd Floor North Hallway	Wall	Yellow	Gypsum	0.2
2nd Floor North Hallway	Ceilnig	White	Gypsum	< 0.1
2nd Floor North Hallway	Baseboard	Brown	Wood	< 0.1
2nd Floor North Hallway	Door	Brown	Wood	< 0.1
2nd Floor North Hallway	Door Casing	Brown	Wood	< 0.1
2nd Floor North Hallway	Door Jamb	Brown	Wood	< 0.1
2nd Floor North Hallway	Window Sill	Brown	Wood	< 0.1
2nd Floor North Hallway	Window Sash	Brown	Wood	< 0.1
2nd Floor North Front Office	Wall	Yellow	Gypsum	< 0.1
2nd Floor North Front Office	Wall Panel	Brown	Wood	< 0.1
2nd Floor North Front Office	Ceiling	White	Gypsum	< 0.1
2nd Floor North Front Office	Baseboard	Brown	Wood	< 0.1

Lead Paint Testing Results by XRF
22 South Broadway
Salem, New Hampshire
January 15, 2020

Room/Area	Location/Component	Color	Substrate	Results (mg/cm^2)
2nd Floor North Front Office	Door	Brown	Wood	< 0.1
2nd Floor North Front Office	Door Casing	Brown	Wood	< 0.1
2nd Floor North Front Office	Door Jamb	Brown	Wood	< 0.1
2nd Floor North Front Office	Window Sill	White	Wood	< 0.1
2nd Floor North Office Bathroom	Wall	Yellow	Gypsum	< 0.1
2nd Floor North Office Bathroom	Ceiling	White	Gypsum	< 0.1
2nd Floor North Office Bathroom	Baseboard	Brown	Wood	< 0.1
2nd Floor North Office Bathroom	Door	Brown	Wood	< 0.1
2nd Floor North Office Bathroom	Door Casing	Brown	Wood	< 0.1
2nd Floor North Office Bathroom	Door Jamb	Brown	Wood	< 0.1
2nd Floor North Office Bathroom	Window Sill	White	Wood	< 0.1
North Stairs 1st to 2nd	Wall	Yellow	Gypsum	< 0.1
North Stairs 1st to 2nd	Ceiling	White	Gypsum	< 0.1
North Stairs 1st to 2nd	Railing Cap	Brown	Wood	< 0.1
North Stairs 1st to 2nd	Balusters	Brown	Wood	< 0.1
North Stairs 1st to 2nd	Floor Casing	Brown	Wood	< 0.1
North Stairs 1st to 2nd	Door	Brown	Wood	< 0.1
North Stairs 1st to 2nd	Door Casing	Brown	Wood	< 0.1
North Stairs 1st to 2nd	Door Jamb	Brown	Wood	< 0.1
North Stairs 1st to 2nd	Baseboard	Brown	Wood	< 0.1
North Stairs 1st to 2nd	Baseboard	White	Wood	< 0.1
North Stairs 1st to 2nd	Chair Rail	White	Wood	< 0.1
North Stairs 1st to 2nd	Window Sash	White	Wood	< 0.1
North Stairs 1st to 2nd	Window Sill	White	Wood	0.3
North Stairs 1st to 2nd	Window Sash	Brown	Wood	0.2
North Stairs 1st to 2nd	Window Sill	Brown	Wood	< 0.1
North Stairs 1st to 2nd	Door	White	Metal	< 0.1
North Stairs 1st to 2nd	Door Casing	White	Wood	< 0.1
North Stairs 1st to 2nd	Door Jamb	White	Wood	< 0.1
1st Floor North Office Bathroom	Wall	White	Gypsum	< 0.1
1st Floor North Office Bathroom	Ceiling	White	Gypsum	< 0.1
1st Floor North Office Bathroom	Baseboard	White	Wood	< 0.1

Lead Paint Testing Results by XRF
22 South Broadway
Salem, New Hampshire
January 15, 2020

Room/Area	Location/Component	Color	Substrate	Results (mg/cm^2)
1st Floor North Office Bathroom	Door	Brown	Wood	< 0.1
1st Floor North Office Bathroom	Door Casing	Brown	Wood	< 0.1
1st Floor North Office Bathroom	Door Jamb	Brown	Wood	< 0.1
1st Floor North Office Bathroom	Window Sill	White	Wood	< 0.1
1st Floor North Office Bathroom	Radiator	White	Metal	< 0.1
1st Floor North Front Office	Wall	White	Gypsum	< 0.1
1st Floor North Front Office	Chair Rail	White	Wood	< 0.1
1st Floor North Front Office	Baseboard	White	Wood	< 0.1
1st Floor North Front Office	Ceiling	White	Gypsum	< 0.1
1st Floor North Front Office	Window Sill	White	Wood	< 0.1
1st Floor North Front Office	Radiator	White	Metal	< 0.1
1st Floor North Front Office	Door	Brown	Wood	0.2
1st Floor North Front Office	Door Casing	Brown	Wood	< 0.1
1st Floor North Front Office	Door Jamb	Brown	Wood	< 0.1
1st Floor North Front Office	Shelf	Brown	Wood	< 0.1
1st Floor Jucilicious Entryway	Wall	White	Gypsum	< 0.1
1st Floor Jucilicious Entryway	Siding	White	Wood	< 0.1
1st Floor Jucilicious Entryway	Ceiling	White	Wood	< 0.1
1st Floor Jucilicious Entryway	Sidelite	White	Wood	1.0
1st Floor Jucilicious Entryway	Door	White	Wood	< 0.1
1st Floor Jucilicious Entryway	Door Casing	White	Wood	< 0.1
1st Floor Jucilicious Entryway	Door Jamb	White	Wood	< 0.1
1st Floor Jucilicious Entryway	Window Sill	White	Wood	< 0.1
1st Floor Jucilicious Entryway	Window Sash	Brown	Metal	< 0.1
1st Floor Jucilicious Entryway	Door	Brown	Metal	< 0.1
1st Floor Jucilicious Entryway	Door Casing	Brown	Metal	< 0.1
1st Floor Jucilicious Entryway	Door Jamb	Brown	Metal	< 0.1
1st Floor Jucilicious Entryway	Corner Board	White	Wood	< 0.1
1st Floor Jucilicious Front Room	Wall	White	Gypsum	< 0.1
1st Floor Jucilicious Front Room	Ceilnig	White	Gypsum	< 0.1
1st Floor Jucilicious Front Room	Baseboard	White	Wood	< 0.1
1st Floor Jucilicious Front Room	Chair Rail	White	Wood	< 0.1
1st Floor Jucilicious Front	Door	White	Wood	< 0.1

Lead Paint Testing Results by XRF
22 South Broadway
Salem, New Hampshire
January 15, 2020

Room/Area	Location/Component	Color	Substrate	Results (mg/cm^2)
Room				
1st Floor Jucilicious Front Room	Door Casing	White	Wood	< 0.1
1st Floor Jucilicious Front Room	Door Jamb	White	Wood	< 0.1
1st Floor Jucilicious Front Room	Sidelite	White	Wood	< 0.1
1st Floor Jucilicious Front Room	Counter	White	Wood	< 0.1
1st Floor Jucilicious Front Room	Wall Panel	White	Wood	< 0.1
1st Floor Jucilicious Bathroom	Wall	White	Gypsum	< 0.1
1st Floor Jucilicious Bathroom	Ceiling	White	Gypsum	< 0.1
1st Floor Jucilicious Bathroom	Baseboard	White	Wood	0.3
1st Floor Jucilicious Bathroom	Radiator	White	Metal	< 0.1
1st Floor Jucilicious Bathroom	Door	Brown	Wood	< 0.1
1st Floor Jucilicious Bathroom	Door Casing	Brown	Wood	< 0.1
1st Floor Jucilicious Bathroom	Door Jamb	Brown	Wood	< 0.1
1st Floor Jucilicious Rear Room	Wall	White	Gypsum	0.2
1st Floor Jucilicious Rear Room	Door casing	White	Wood	< 0.1
1st Floor Jucilicious Rear Room	Door Jamb	White	Wood	< 0.1
1st Floor Jucilicious Rear Room	Radiator	Brown	Metal	< 0.1
1st Floor 180 Degree Shoppe Main Room	Wall Panel	White	Wood	< 0.1
1st Floor 180 Degree Shoppe Main Room	Radiator	White	Metal	< 0.1
1st Floor 180 Degree Shoppe Main Room	Window Sill	White	Wood	< 0.1
1st Floor 180 Degree Shoppe Main Room	Door	White	Metal	< 0.1
1st Floor 180 Degree Shoppe Main Room	Door Casing	White	Wood	< 0.1
1st Floor 180 Degree Shoppe Main Room	Door Jamb	White	Wood	< 0.1
1st Floor 180 Degree Shoppe Main Room	Door	Brown	Metal	< 0.1
1st Floor 180 Degree Shoppe Main Room	Door Casing	Brown	Metal	< 0.1
1st Floor 180 Degree Shoppe Main Room	Door Jamb	Brown	Metal	< 0.1
1st Floor 180 Degree Shoppe Bathroom	Wall	White	Gypsum	< 0.1
1st Floor 180 Degree Shoppe	Wall Panel	Brown	Wood	< 0.1

Lead Paint Testing Results by XRF
22 South Broadway
Salem, New Hampshire
January 15, 2020

Room/Area	Location/Component	Color	Substrate	Results (mg/cm^2)
Bathroom				
1st Floor 180 Degree Shoppe Bathroom	Door	Brown	Wood	< 0.1
1st Floor 180 Degree Shoppe Bathroom	Door Casing	Brown	Wood	< 0.1
1st Floor 180 Degree Shoppe Bathroom	Door Jamb	Brown	Wood	< 0.1
1st Floor 180 Degree Shoppe Bathroom	Radiator	White	Metal	< 0.1
Exterior	Door	White	Metal	< 0.1
Exterior	Door Casing	White	Wood	< 0.1
Exterior	Door Jamb	White	Wood	< 0.1
Exterior	Soffit	White	Vinyl	0.5
Exterior	Window Casing	White	Wood	< 0.1

- <0.1 = less than the limit of quantification of the XRF.
- mg/cm^2 = milligrams of lead per square centimeter of sampled surface area.

Appendix G

GREEN
ENVIRONMENTAL

Appendix G Locations of the Regulated Materials 22 South Broadway, Salem, NH		
Location	**Material Description**	**Quantity**
Unit 1		
1st Floor - Throughout	2' Fluorescent Tubes	2
	4' Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	3
	Exit Signs	2
	Emergency Light Batteries	3
2nd Floor - Throughout	4' Fluorescent Tubes	40
	PCB/Non-PCB Containing Ballasts	20
	Exit Signs	3
	Emergency Light Batteries	1
Unit 2		
1st Floor - Throughout	4' Fluorescent Tubes	28
	PCB/Non-PCB Containing Ballasts	7
	Exit Signs	1
	Mercury Thermostat	1
2nd Floor - Throughout	4' Fluorescent Tubes	14
	PCB/Non-PCB Containing Ballasts	7
	Emergency Light Batteries	1
Unit 3		
1st Floor - Throughout	4' Fluorescent Tubes	14
	PCB/Non-PCB Containing Ballasts	7
	Emergency Light Batteries	2
	Mini-Split	1
Unit 4		
1st Floor - Throughout	4' Fluorescent Tubes	28
	PCB/Non-PCB Containing Ballasts	7
	Emergency Light Batteries	1
	Mini-Split	1
	Exit Sign	1
	Mercury Thermostat	2