

**CITY OF NORWICH  
OFFICE OF DEVELOPMENT  
23 UNION STREET  
NORWICH, CONNECTICUT 06360**

**CITY OF NORWICH  
PROPERTY REHABILITATION &  
LEAD PAINT HAZARD CONTROL  
PROGRAMS  
Project LP1651-RP1427**

**172 Laurel Hill Avenue  
Norwich, CT. 06360**

**PROJECT SPECIFICATION**

**Bid 1-Lead Paint Hazard Control**

**CITY OF NORWICH  
INVITATION TO BID**

**LEAD PAINT HAZARD CONTROL PROGRAM**

**Bids for: LP1651-RP1427**

**172 Laurel Hill Avenue**

**Norwich CT.**

**BID- Lead Paint Hazard Control**

**\*\*\* Attention: (Due to Covid 19) all social distancing protocols will be required on site. Contractors will be required to wear face masks, observe 6 feet of distance between individuals. No more than three contractors will be allowed in the property at the same time and no contractor will be allowed access to the property without a proper face mask.**

Bids are being sought for the project for the property located at:

The residence at

**172 Laurel Hill Avenue**

Norwich, Connecticut

This project is being funded through the Property Rehabilitation Program and or HUD Lead Based Paint Hazard Control in Priority Housing Program. Contractors must be aware that the City of Norwich is an Equal Opportunity Employer. Contract documents including the lead abatement plan and property rehabilitation specifications may be obtained from the Office of Community Development, 23 Union Street, Norwich, Connecticut, Office hours are from 8:30 AM to 4:30 PM, Monday thru Friday. **A pre-bid conference will be held on 05-08-20 at 10:00 am. at the project location. Your attendance at that meeting is recommended to bid on this project.**

**Sealed bids will be received at the Office of Community Development, 23 Union Street, Norwich, Connecticut until 4:00 PM on 05-15-20**, at which time they will be opened and read aloud. The City of Norwich Reserves the right to reject any and all bids, or any part of any bid where such action is deemed to be in the best Interest of the City.

**EQUAL EMPLOYMENT / OPPORTUNITY  
AFFIRMATIVE ACTION  
FAIR HOUSING AGENCY**

**CITY OF NORWICH  
OFFICE OF DEVELOPMENT  
23 UNION STREET  
NORWICH, CONNECTICUT  
860-823-3770**

**SPECIFICATIONS FOR THE PROJECT KNOWN AS:**

**172 Laurel Hill Avenue  
Norwich. CT 06360**

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GENERAL BIDDING INSTRUCTIONS:

1. The contractor is to obtain and review the Project Specifications and prepare a quotation for all work specified on the Company Letterhead and the enclosed bid form.
2. Contractors are urged to attend the Pre-Bid conference on **05-08-20 At 10:00 a.m.** Failure to attend the Pre-Bid conference may result in incomplete bid information.
3. Bid proposals are to be submitted in a sealed envelope addressed as follows:

Community Development, Property Rehabilitation Program  
**Bid Project: #LP1651-RP1427 172 Laurel Hill Avenue**  
**-On the outside front of the envelope-**

4. **The sealed bid proposals will be received until 4:00 PM on 05-15-20,** at the Office of Community development which time they will be opened and read aloud.
5. It is the contractor's responsibility to ensure they have all the project addendums and changes made to the scope of work prior to the bid due date. Copies of the addendum will be available at the city offices. Copies of addendum are to be attached with each bid. Failure to attach the addendum sheets will disqualify the bidder.

The information contained in this bid package is for the purpose of providing general project specifications of the items included in the scope of work. Code compliance work required by the local building officials and fire marshal will be limited to those items directly relating to lead abatement activities. All other code compliance issues will be the responsibility of the property owner, and will not be funded under this program.

Payments will be requested by the Contractor according to contract provisions. The Contractor will submit payment requests to Program Management in the form of a billing request. Program Management will then conduct an inspection with the Property Owner in order to authorize payment or request revisions. Once billing ('s) are approved, a check will be issued to the contractor. The contractor may then pick up the check or notify the City to mail it to the contractors address listed herein. Contractors should allow a minimum of 15 days for payment of approved invoices. The contract documents further describe the payment process.

Items not included in this specification, that are required for a complete installation or operation are considered part of this specification. All issues pertaining to code compliance should be directed to the Building Official. It is the responsibility of the contractor to secure and pay for all required permits, and terminate all required permits with inspections required by the permitting authority. Copies of all permits to be provided to the City at the time of issue and release.

Prior to the start of any construction activities, the contractor must request a pre-abatement inspection which will review the containment preparations, licensure, and proper set up of construction activities and safety equipment, if the work Specification requires it.

**NOTICE OF INVITATION TO BID  
GENERAL INFORMATION**

PROJECT NAME: LP1651-RP1427  
ADDRESS: 172 Laurel Hill Avenue  
Norwich, Connecticut, 06360

OWNERS NAME: Lois Dasilva Knapton  
OWNERS ADDRESS: 45 Rogers Avenue  
Norwich CT. 06360

OWNERS PHONE NO: 603-219-5440

For the City of Norwich, Contact:

City of Norwich  
Office of Development  
23 Union Street  
Norwich, CT 06360  
(860) 823-3770  
Wayne R. Sharkey, Property Rehabilitation, Program Manager  
Office hours: Monday – Friday 8:30 am – 4:30 pm

Contractor:

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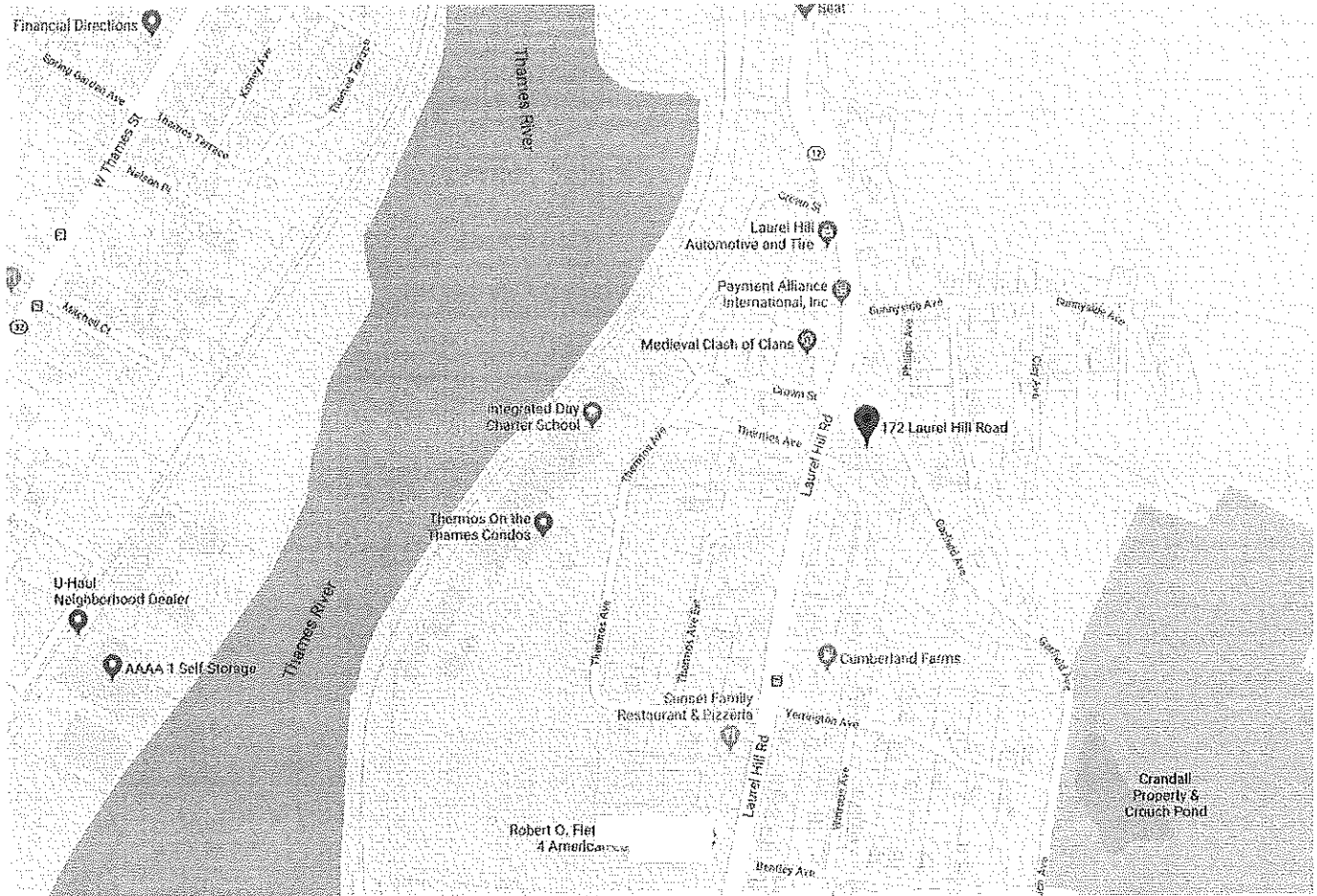
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Additional project specifications may be obtained at:

Community Development Office  
23 Union Street  
Norwich, Connecticut 06360  
(860) - 822 - 3770

Project specifications may be obtained during normal business hours 8:30 AM - 4:30 PM,  
Monday thru Friday.

# 172 Laurel Hill Rd



172 Laurel Hill Rd

Norwich, CT 06360

## **BIDDING AND GENERAL PROGRAM POLICIES**

1. The omission of any items listed in the Basic Bid Package will result in the disqualification of the bid.
2. All addendums and scope changes discussed at the bid walk through will be written up and available at the city office prior to the bid opening date. All addendum and changes to be attached to the bid forms and signed by the contractor. Failure to attach addendum and changes may result in bid disqualification.
3. Bid readings are open to the public. No bid documents will be made available to contractors or the public without supervision at the bid opening. Results of the bidding will be available at the Office of Development the following business day.
4. The City of Norwich reserves the right to reject any bid when it is deemed to be in the best interest of the City and/or the property owner. The City of Norwich further reserves the right to accept or reject portions of any bid when it is deemed to be in the best interest of the City and or the property owner.
5. Disputes and protests:
  - a. If a contractor feels that a bidder has submitted an incomplete bid, or has evidence of other improprieties that negatively impact their own qualified bid, they may file a protest with the City of Norwich, Office of Development within 7 calendar days of the Bid opening.
  - b. Such notice shall be in writing and include copies of evidence required to prove or disprove the questionable bids.
  - c. Bid protests will not be accepted by unqualified bidders, or bidders who have been disqualified for incomplete bids.
  - d. All bid protests will be reviewed by program staff and the Director of Development. The decision rendered by the director of development will be final.
  - e. Contractors submitting frivolous bid protests are hereby warned that unjustified and groundless protests may result in the loss of future bidding privileges
6. Bidder Limitation Policies:
  - a. Bidders may hold no more than three active contracts between either the Lead or Rehab program. (However Contractors may request exception to this rule if they can provide assurances sufficient to the timely start and completion of project contracts.) Acceptance/denial of such a request is solely at the discretion of the Rehabilitation Specialist.
  - b. Bidders holding three open contracts, will be prohibited from future bidding until the closeout of one or more open contracts. (see- exception clause)
  - c. Contract holders that are in delinquent standing of any project completion date, may be prohibited from bidding until all delinquent projects are closed out.
  - d. New Contractors will be subject to a probationary period in which they may hold only one contract. Once a new contractor has entered into their first contract for a Property Rehabilitation or Lead Hazard Reduction project, they will not be allowed to bid further projects until the successful completion of the probationary period. During the probationary period the Contractor will be evaluated based on

their performance according to both the project contract, and overall program requirements. At the completion of the project the Program Manger will give the Contractor written notice outlining their acceptance or denial as a Contractor "in good standing", for future Projects.

7. Lead Abatement Clearance Policies:

- e. Both the first and second rounds of dust wipes tests are included in program costs.
- f. Further failures will be assessed to the project contractor in the form of an \$80.00 per hour inspector fee.
- g. All additional testing fees must be paid in full prior to the release of final payment to the contractor.



## **BASIC PRODUCT SELECTION ALLOWANCES:**

As the most common work items for Lead Paint Hazard Control projects, the following door selection pricings will be implemented as they are applicable to each project scope.

**Exterior grade door (standard sizes), hardware & trim: Max Owner selection \$500.00 per**

**Exterior grade door with Side lights, hardware & trim: Max Owner selection \$1,000.00 per**

**Interior Door slab only: Max Owner selection \$85.00 per**

**Interior Door, casing, trim, and hardware: Max Owner Selection \$175.00 per**

**Storm Doors: \$225.00**

**General Selections such as roof or siding colors are to documented between the Contractor and Home Owner then submitted to the Program Manager prior to start of work.**

## **OTHER PRODUCT BIDDING REQUIRMENTS**

**Where Lead Paint Hazard Control, and Rehabilitation Projects include various other building products, the contractor is responsible include "Builders Grade Materials and Products, with basic selections for colors and style where applicable."**

**For program purposes (Builders Grade Products) shall be defined as middle grade market available building products by costs. Prior to contract signing, the Contractor, Program Manager and Property owner will meet to review and approve all product selections.**

**NOTE: Property owners may elect to select higher grade or specialty products only at their own cost, and if such a selection does not delay the normal agreed upon schedule of work. No product alterations shall be made after contract signing unless under special circumstance, approved by Program Management.**

## **HISTORICAL REQUIREMENTS (Windows)**

**Some projects that are located in National or Local historic districts must comply with the following:**

- 1. All wood construction window.**
- 2. In like form and fashion of the pre-existing.**
- 3. May be simulated divide, but manufactured Mullions must be part of the factory construction of the window unit not after-market pieces.**
- 4. All windows must be primed and painted to match original.**

**BASIC BID PACKAGE: Bid 1-Lead Paint Hazard Control**

The City of Norwich, Office of Community Development basic bid package is enclosed and shall be submitted as follows:

1. This Instruction Sheet with signed bidders certification
2. Payment Request from filled out and totaled.
3. Non-Collusion Affidavit.
4. Proof of insurance
5. Proof of licensure as a home improvement contractor in the State of Connecticut.
6. Proof of Licensure as a Lead Abatement contractor in the State of Connecticut ( if applicable )
7. Copies of all addendum sheets properly signed and filled out as directed.

\*\*\* Please note, items 3,4,5, and 6 may be submitted once annually. It is also the contractor's responsibility to insure that these items are updated as they expire. Please be aware that the submittal of items 1,2,and 7 will only constitute a complete bid package if all other items are on file and up to date with the City of Norwich.

**BIDDERS CERTIFICATION**

I, \_\_\_\_\_, acting on behalf of \_\_\_\_\_  
A contractor registered in the State of Connecticut, have reviewed the bid requirements, bid documents and site conditions and hereby propose to complete the work specified for the amount of \_\_\_\_\_ dollars (\$ \_\_\_\_\_)

I will guarantee this price for a maximum of 15 days from the date of this proposal. I will be able to start this project on or about \_\_\_\_\_, 2019. This project is allotted **30, calendar days** to complete the specified scope, baring weather and or other excusable delays. (Note: Work items that cannot be undertaken during winter months such as exterior encapsulation or soils, shall have a completion date of no later than May 30<sup>th</sup>) I am aware that if I fail to complete the work in the time required, I may be penalized based upon the terms of the contract.

Signed by: \_\_\_\_\_ (Print Name) Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Phone: \_\_\_\_\_

Contractor Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_



201. NON-COLLUSION AFFIDAVIT OF CONTRACTOR

State of \_\_\_\_\_ )  
 ) ss.  
County of \_\_\_\_\_ )

\_\_\_\_\_, being first duly sworn, deposes and says that :

(1) He is (owner, partner, officer, representative, or agent) of

\_\_\_\_\_  
(hereafter refer to as the "Contractor"), who has executed the Agreement, of which this affidavit is a part;

(2) He is fully informed respecting the preparation and contents of said Agreement and the Contract Price and all pertinent circumstances respecting such Agreement and Contract Price;

(3) Such Contract Price is genuine and not a collusive or sham price;

(4) Neither the Contractor nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affidavit, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other contractor, bidder, firm or person to submit a collusive or sham price or bid in connection with such work, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other contractor, bidder, firm or person to fix the price or prices offered by the Contractor and accepted by the owner, or to fix the offered price of any other bidder, or to secure through collusion, conspiracy, connivance or unlawful agreement any advantage against the Owner and/or the City or any person interested in this agreement; and

(5) The price or prices offered by the contractor and accepted by the Owner as the Contract price is fair and proper and is not obtained by any collusion, conspiracy, connivance or unlawful agreement on the part of the Contractor or any of its agents, representatives, owners, employees or parties in interest, including this affiant.

(Seal, if corporation) \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of

\_\_\_\_\_, 20\_\_\_\_\_.

**\*\*\* General Acknowledgement: This Affidavit is to apply to all projects, bid through the City of Norwich, Community Development Center. (2019)**

# Connecticut Lead Paint Solutions, LLC

1245 Hebron Avenue  
Glastonbury, CT 06033  
860-633-3330  
CT License #2124  
andrew@ctleadpaint.com

Lead Paint Inspections & Testing  
Abatement/Management Plans  
Consulting & Cost Analysis  
www.ctleadpaint.com  
Since 1994

## Lead Paint Inspection Report and Lead Hazard Assessment

Connecticut Lead Consultant License #002124  
Lead Inspector/Risk Assessor, CT #002179

This report is prepared for;  
City of Norwich  
Lead Paint Hazard Control Program  
23 Union St  
Norwich, CT 06360

The property inspected was;  
172 Laurel Hill Ave  
Norwich, CT 06360

Owner; Lois Dasilva

The testing instrument used is a Niton XLp 303A Lead Paint, Spectrum Analyzer, serial #24517. A reading of 1.0 milligrams lead per square centimeter of surface ( $1.0\text{mg}/\text{cm}^2$ ) or greater is defined as a toxic level of lead, by the State of Connecticut, Dept. of Public Health, Regulations for Lead Poisoning Prevention and Control, 19a-111-1a. The inspection protocol as detailed in Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Revision) was used for this inspection. The testing mode is K+L Spectrum.

At the beginning and end of the inspection each day, calibration tests are done on known control standards and the readings recorded to ensure the accuracy of the testing device. The calibration lines on the data sheets provides the measured lead concentration of the control standards (in the Condition Column) and whether the lead is at the surface or buried under non-lead paint.

The testing protocol is to test representative samples of various building components or sub-components per room or area. The test result for the representative sample is then applied to the other similar component(s) in that room or area. Refer to the floor plan attach toward the end of this report for the location of the rooms and walls sides (A, B, C, D).

Any lead reading  $1.0\text{mg}/\text{cm}^2$  or greater is positive for toxic levels of lead and the line for that reading is in **red print** on the data sheets.

This inspection is for lead in paint primarily. The paint was tested on site. Dust and soil samples were also collected for analysis of lead concentrations by accredited laboratories.

The inspection was done on September 03 and October 08, 2019.

The property inspected is a single-family house built in or about 1900. The house has been gutted and is currently being remodeled. All interior rooms or areas were fully inspected. The unfinished basement was not inspected.

Some of the interior surfaces tested in the house were positive for lead-based paint (LBP). Most of the window sashes (the part of the window which contains the glass and is movable) have been replaced with vinyl replacement units. A few wood sashes remain. The windows in the Kitchen, Bath 2 and the Alcove are negative for LBP on all interior and exterior surfaces. Other wood windows are non-operable wood windows which are positive for LBP.

The exterior of the house is covered with wood clapboards, window casings and upper trim (soffits and fascia). Most exterior surfaces of the house have been prepared and re-painted. A few defective surfaces remain on the basement windows and doors.

The detached garage is positive for LBP on the limited areas that were tested. Assume all other exterior surfaces are also positive. Most surfaces were defective.

### **Lead in Dust and Soil Assessment**

Six dust wipe samples were collected for analysis of lead concentrations by an accredited laboratory. All dust wipe samples were well over the limits set by HUD for risk assessment testing, therefore failing. The limits must not exceed  $10\mu\text{g}/\text{ft}^2$  (micrograms lead per square foot of surface area) for floors and  $100\mu\text{g}/\text{ft}^2$  for window sills and wells. One window well sample, DW-13, was  $342000\mu\text{g}/\text{ft}^2$ , likely due to all the paint chip in the well at the time of collection. These samples were collected in accordance with the collection protocol as stated in the HUD Guidelines.

Two soil samples were collected for analysis of lead concentrations by an accredited laboratory. They were composite samples collected from two sides of the house. The test results were 1800ppm from Side B and 9900ppm from Side C. Many paint chips were observed on the ground from the owners exterior painting work with no containment.

The Federal EPA's section 403 Guidelines for soil concentrations are determined by the land use by children. If the area is expected to be used by children, various interim controls to prevent contact between children and contaminated soil are recommended for soil lead levels above 400ppm but less than 5000ppm. Abatement is required for levels over 5000ppm. Some action will be required at this site.

All the test results are detailed on the data sheets for the inspection.

If you have any questions on this report, please do not hesitate to contact me.



Andrew Miller  
Lead Inspector/Risk Assessor, CT #002179  
October 14, 2019

## How to read the data sheets

Starting from the left side column.

Index	The instrument assigns a number to every reading.
Fl.	Floor level
Room	Indicated which room or area was tested. The room or area is also detailed on the floor plan.
Side	The side of the room that faces the street is the A Side, the B side is clockwise to the A wall, the C wall is opposite the A wall and so on. For the exterior the A side is the front facing the street, the B side is clockwise, the C side is the rear ect. See attached floor plan for more details.
Component	Indicates which building component was tested, window, door, wall ect. Many components have sub-components such as a window <i>casing</i> or window <i>sash</i> . If there is more than 1 similar building component on a wall in a room or area, than the component may be further described as being the Lft for left, Ctr for center or Rht for right. This would be as you face the wall.
Substrate	Indicates what building material the component was constructed of. Not always accurate for drywall or plaster walls.
Color	Indicates the color of the test surface. The color selected is influenced by many factors including lighting, contrasting colors, smoke films and others.
Condition	Indicates the condition of the paint film or the substrate. The ratings are as follows; Intact, a paint film with no cracked or peeling paint; Fair, the paint film is cracked or chipped but paint chips can not be picked off; Poor, the paint film is cracked or chipped and paint chips can be picked off; Peeling; the paint film is very loose and can fall off with little or no external effort; Defective-Sub, defective substrate. The worse visible condition is noted. Substrate conditions are only listed if it affects the condition of the paint film.
Result	Indicates the results of that test. Either Positive, equal to or greater than 1.0 milligrams lead per square centimeter of surface ( $1.0\text{mg}/\text{cm}^2$ ) Negative meaning below the action level of $1.0\text{mg}/\text{cm}^2$ or Null if the reading was interrupted and not completed. The incomplete reading is almost always followed by a complete reading from the same surface. All positive reading lines are in color print.
PbC	This is the range of the lead concentration in the dry paint. The testing instrument narrows the reading down to plus or minus from the main (1 <sup>st</sup> ) number.

**On the data sheets any lead reading  $1.0\text{mg}/\text{cm}^2$  or greater is positive for lead-based paint and the line for that reading is in color print. The calibration readings are from the known control standards and not from any painted surface on the property tested. Even a property that has been certified as being “free of lead-based paint” will still have positive calibration readings listed on the report.**

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
1				Calibration- Surface			1.53mg/cm <sup>2</sup>	Positive	1.50 ± 0.10
2				Calibration- Buried			1.04mg/cm <sup>2</sup>	Positive	1.00 ± 0.10
3				Calibration- Buried			1.04mg/cm <sup>2</sup>	Positive	1.10 ± 0.10
4				Calibration- Buried			1.04mg/cm <sup>2</sup>	Positive	1.10 ± 0.10
5				Calibration- Buried			0.01mg/cm <sup>2</sup>	Negative	0.00 ± 0.02
6	1st	Room 1	A	Window Sill Lft	Composite	White	Intact	Negative	0.00 ± 0.02
7	1st	Room 1	A	Window Casing	Wood	White	Intact	Positive	31.70 ± 11.70
8	1st	Room 1	A	Window Sill Rht	Composite	White	Intact	Negative	0.02 ± 0.07
9	1st	Room 1	A	Window Casing	Wood	White	Intact	Positive	29.30 ± 11.20
10	1st	Room 1	A	Window Stop	Wood	White	Defective	Positive	2.00 ± 0.80
11	1st	Room 1	B	Window Sill Lft	Wood	White	Intact	Positive	2.30 ± 1.10
12	1st	Room 1	B	Window Casing	Wood	White	Intact	Positive	15.20 ± 4.80
13	1st	Room 1	B	Window Sill Ctr	Wood	White	Intact	Positive	17.70 ± 6.30
14	1st	Room 1	B	Window Casing	Wood	White	Peeling	Positive	17.40 ± 6.20
15	1st	Room 1	B	Window Sill Rht	Wood	White	Poor	Positive	16.60 ± 2.00
16	1st	Room 1	B	Window Casing	Wood	White	Poor	Positive	15.50 ± 5.70
17	1st	Room 1	C	Door Lft	Wood	White	Intact	Negative	0.04 ± 0.06
18	1st	Room 1	C	Door Lft	Wood	White	Intact	Negative	0.01 ± 0.03
19	1st	Room 1	C	Door Rht	Wood	White	Intact	Negative	0.02 ± 0.08
20	1st	Room 1	C	Door Rht	Wood	White	Intact	Negative	0.23 ± 0.56
21	1st	Room 1	C	Door Jamb	Wood	Bone	Intact	Negative	0.05 ± 0.12
22	1st	Room 1	C	Door Jamb	Wood	White	Intact	Negative	0.03 ± 0.05
23	1st	Room 1	D	Door Lft	Wood	White	Intact	Negative	0.02 ± 0.04
24	1st	Room 1	D	Door Lft	Wood	White	Intact	Negative	0.04 ± 0.06
25	1st	Room 1	D	Door Rht	Wood	White	Intact	Negative	0.02 ± 0.05
26	1st	Room 1	D	Door Jamb	Wood	White	Defective	Positive	31.60 ± 11.60
27	1st	Room 1	D	Door Casing	Wood	White	Intact	Positive	29.90 ± 11.20
28	1st	Room 1	D	Door Threshold	Wood	Varnish	Intact	Negative	0.01 ± 0.04
29	1st	Room 1	C	Fireplace Mantel	Wood	White	Poor	Positive	1.50 ± 0.40
30	1st	Room 1	C	Fireplace Bracket	Wood	White	Intact	Positive	2.30 ± 0.80
31	1st	Room 1	D	Baseboard	Wood	White	Intact	Positive	24.70 ± 10.00
32	1st	Room 1	B	Baseboard	Wood	White	Intact	Positive	24.70 ± 10.00
33	1st	Room 1	B	Radiator	Plaster	Brown	Fair	Negative	0.01 ± 0.07
34	1st	Room 1	A	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
35	1st	Room 1	B	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
36	1st	Room 1	C	Wall Lft	Plaster	White	Damaged	Negative	0.00 ± 0.02
37	1st	Room 1	C	Wall Ctr	Plaster	Unpainted	Intact	Negative	0.00 ± 0.02
38	1st	Room 1	D	Wall Ctr	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
39	1st	Room 1	C	Ceiling Trim	Wood	White	Intact	Positive	2.20 ± 1.00
40	1st	Room 1	A	Ceiling Trim	Wood	White	Intact	Positive	1.60 ± 0.40
41	1st	Room 1	A	Ceiling	Drywall	White	Fair	Negative	0.05 ± 0.07
42	1st	Room 1	D	Floor	Wood	Varnish	Fair	Negative	0.03 ± 0.07
43	1st	Foyer	A	Door Lft	Wood	White	Poor	Positive	10.00 ± 4.30
44	1st	Foyer	A	Door Rht	Wood	White	Poor	Positive	10.90 ± 4.60
45	1st	Foyer	A	Door Casing	Wood	White	Poor	Positive	20.50 ± 11.60
46	1st	Foyer	A	Door Jamb	Wood	Green	Poor	Positive	4.20 ± 1.90
47	1st	Foyer	A	Door Threshold	Wood	Varnish	Fair	Negative	0.23 ± 0.30
48	1st	Foyer	B	Door Lft	Wood	White	Fair	Negative	0.04 ± 0.07
49	1st	Foyer	B	Door Lft	Wood	White	Fair	Negative	0.18 ± 0.31
50	1st	Foyer	B	Door Rht	Wood	White	Fair	Negative	0.03 ± 0.06
51	1st	Foyer	B	Door Casing	Wood	White	Poor	Positive	35.40 ± 16.60
52	1st	Foyer	B	Door Jamb	Wood	White	Poor	Positive	32.20 ± 11.90



Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
53	1st	Foyer	C	Opening Casing	Wood	White	Poor	Positive	29.90 ± 11.10
54	1st	Foyer	D	Baseboard	Wood	White	Poor	Positive	28.90 ± 11.00
55	1st	Foyer	D	Stair Stringer	Wood	White	Poor	Positive	21.10 ± 8.70
56	1st	Foyer	A	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
57	1st	Foyer	B	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
58	1st	Foyer	C	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
59	1st	Foyer	D	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
60	1st	Foyer	A	Ceiling	Drywall	White	Intact	Negative	0.04 ± 0.07
61	1st	Foyer	A	Ceiling Trim	Wood	White	Peeling	Positive	1.60 ± 0.60
62	1st	Foyer	B	Ceiling Trim	Wood	White	Intact	Positive	2.30 ± 0.40
63	1st	Foyer	C	Floor	Wood	Varnish	Intact	Negative	0.04 ± 0.11
64	1st	Hall	A	Door (to Ext.)	Wood	White	Poor	Positive	29.90 ± 11.10
65	1st	Hall	A	Door Jamb	Wood	White	Poor	Positive	4.70 ± 2.20
66	1st	Hall	A	Door Casing	Wood	White	Poor	Positive	33.80 ± 16.00
67	1st	Hall	A	Door Threshold	Wood	Varnish	Fair	Negative	0.05 ± 0.07
68	1st	Hall	B	Door (to Bath 1)	Wood	White	Fair	Positive	23.50 ± 9.50
69	1st	Hall	B	Door Casing	Wood	White	Poor	Positive	27.80 ± 10.70
70	1st	Hall	B	Door Threshold	Wood	Gray	Intact	Negative	0.03 ± 0.10
71	1st	Hall	A	Opening Jamb (to Foyer)	Wood	White	Intact	Positive	39.70 ± 18.20
72	1st	Hall	B	Opening Casing	Wood	White	Poor	Positive	32.30 ± 2.90
73	1st	Hall	C	Corner Trim (at Rear Stairs)	Wood	Off-White	Poor	Positive	30.30 ± 11.00
74	1st	Hall	C	Door (to Base. Stairs)	Wood	White	Damaged	Positive	29.50 ± 11.10
75	1st	Hall	C	Door Casing	Wood	White	Fair	Positive	29.60 ± 10.90
76	1st	Hall	D	Baseboard	Wood	White	Fair	Positive	27.50 ± 10.50
77	1st	Hall	A	Baseboard	Wood	White	Fair	Positive	29.20 ± 10.80
78	1st	Hall	A	Chair Rail	Plastic	White	Fair	Negative	0.05 ± 0.18
79	1st	Hall	A	Wall - Lower	Pandling	Brown	Intact	Negative	0.00 ± 0.03
80	1st	Hall	B	Wall - Lower	Pandling	Brown	Intact	Negative	0.00 ± 0.02
81	1st	Hall	C	Wall - Lower	Pandling	Brown	Intact	Negative	0.01 ± 0.06
82	1st	Hall	D	Wall - Lower	Pandling	Brown	Intact	Negative	0.00 ± 0.02
83	1st	Hall	A	Wall - Upper	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
84	1st	Hall	C	Wall - Upper	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
85	1st	Hall	C	Wall - Upper	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
86	1st	Hall	D	Ceiling	Plaster	White	Peeling	Negative	0.04 ± 0.04
87	1st	Hall	A	Transom Lite	Wood	White	Intact	Positive	27.50 ± 10.30
88	1st	Kitchen	A	Window Sash Int. Rht	Wood	White	Peeling	Negative	0.00 ± 0.02
89	1st	Kitchen	A	Window Sash Int. R	Wood	White	Peeling	Negative	0.00 ± 0.02
90	1st	Kitchen	A	Window Sash Int. Cr	Wood	White	Peeling	Negative	0.00 ± 0.02
91	1st	Kitchen	A	Window Sash Int. Cr	Wood	White	Peeling	Negative	0.00 ± 0.03
92	1st	Kitchen	A	Window Sash Int. Lft	Wood	White	Poor	Negative	0.00 ± 0.02
93	1st	Exterior	A	Window Sill	Wood	White	Intact	Negative	0.00 ± 0.02
94	1st	Exterior	A	Window Sill Cr	Wood	White	Intact	Negative	0.01 ± 0.04
95	1st	Exterior	A	Window Casing Ext.	Wood	White	Intact	Negative	0.00 ± 0.02
97	1st	Exterior	A	Window Sash Ext. Rht	Wood	White	Intact	Negative	0.28 ± 0.41
98	1st	Exterior	A	Window Sash Ext. Rht	Wood	White	Intact	Negative	0.28 ± 0.36
99	1st	Exterior	A	Window Sash Ext. Cr	Wood	White	Intact	Negative	0.08 ± 0.26
100	1st	Exterior	A	Window Sash Ext. Lft	Wood	White	Intact	Negative	0.15 ± 0.15
101	1st	Exterior	A	Window Sash Ext. Lft	Wood	White	Intact	Negative	0.08 ± 0.11
102	1st	Kitchen	D	Window Sash Int.	Wood	Unpainted	Intact	Negative	0.00 ± 0.02
103	1st	Kitchen	D	Window Well	Wood	White	Intact	Negative	0.00 ± 0.03
104	1st	Kitchen	B	Opening Jamb	Wood	White	Intact	Negative	0.00 ± 0.02
105	1st	Kitchen	B	Cabinet Body	Wood	Varnish	Intact	Negative	0.00 ± 0.02

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
106	1st	Kitchen	D	Cabinet Frame Upr	Wood	Varnish	Intact	Negative	0.00 ± 0.02
107	1st	Kitchen	A	Wall	Paneling	Brown	Intact	Negative	0.00 ± 0.02
108	1st	Kitchen	B	Wall	Paneling	Brown	Intact	Negative	0.00 ± 0.02
109	1st	Kitchen	C	Wall	Paneling	Brown	Intact	Negative	0.00 ± 0.02
110	1st	Kitchen	D	Wall	Paneling	Brown	Intact	Negative	0.00 ± 0.02
111	1st	Kitchen	D	Ceiling	Fiberboard	White	Intact	Negative	0.00 ± 0.02
112	1st	Hall	D	Opening Casing	Wood	White	Intact	Positive	1.20 ± 0.10
113	1st	Hall	D	Opening Casing	Wood	White	Intact	Positive	1.80 ± 0.60
115	1st	Bath 1	D	Window Casing	Wood	Blue	Peeling	Positive	1.90 ± 0.80
116	1st	Bath 1	D	Window Sill	Wood	Blue	Fair	Positive	2.30 ± 0.90
117	1st	Bath 1	D	Window Sash Int.	Wood	Blue	Defective	Negative	0.07 ± 0.06
118	1st	Bath 1	D	Window Sash Int.	Wood	Blue	Defective	Negative	0.05 ± 0.09
119	1st	Bath 1	D	Window Sash Ext.	Wood	Beige	Fair	Negative	0.02 ± 0.04
120	1st	Bath 1	D	Door	Wood	Green	Fair	Positive	6.60 ± 2.90
121	1st	Bath 1	D	Door Jamb	Wood	Blue	Fair	Positive	12.10 ± 4.90
122	1st	Bath 1	D	Door Casing	Wood	Blue	Fair	Negative	0.40 ± 0.20
123	1st	Bath 1	D	Door Casing	Wood	Blue	Fair	Negative	0.27 ± 0.14
124	1st	Bath 1	C	Baseboard	Wood	Blue	Poor	Positive	7.30 ± 3.70
125	1st	Bath 1	C	Ceiling	Plaster	Off-White	Poor	Positive	2.00 ± 0.80
126	1st	Kitchen	A	Radiator	Metal	Brown	Fair	Negative	0.10 ± 0.09
127	1st	Room 2	B	Window Sill	Wood	White	Poor	Negative	0.09 ± 0.14
128	1st	Room 2	B	Window Sill	Wood	White	Poor	Negative	0.02 ± 0.03
129	1st	Room 2	B	Window Casing	Wood	White	Intact	Positive	4.30 ± 2.10
130	1st	Room 2	B	Window Panel	Wood	White	Intact	Positive	2.70 ± 1.20
131	1st	Room 2	C	Window Sill Lft	Wood	White	Poor	Negative	0.15 ± 0.20
132	1st	Room 2	C	Window Sill Lft	Wood	White	Poor	Negative	0.13 ± 0.13
133	1st	Room 2	C	Window Casing	Wood	White	Fair	Positive	2.80 ± 1.30
134	1st	Room 2	C	Window Panel	Wood	White	Fair	Null	0.90 ± 0.20
135	1st	Room 2	C	Window Panel	Wood	White	Fair	Positive	1.70 ± 0.50
136	1st	Room 2	C	Window Sill Rht	Wood	White	Poor	Negative	0.02 ± 0.05
137	1st	Room 2	C	Window Sill Rht	Wood	White	Poor	Negative	0.06 ± 0.08
138	1st	Room 2	C	Window Casing	Wood	White	Fair	Positive	1.40 ± 0.40
139	1st	Room 2	A	Door Lft (to Room 1)	Wood	White	Fair	Negative	0.07 ± 0.14
140	1st	Room 2	A	Door Lft	Wood	White	Fair	Negative	0.13 ± 0.21
141	1st	Room 2	A	Door Rht (to Room 1)	Wood	White	Fair	Negative	0.04 ± 0.04
142	1st	Room 2	A	Door Jamb	Wood	White	Poor	Negative	0.21 ± 0.36
143	1st	Room 2	A	Door Casing	Wood	White	Poor	Negative	0.30 ± 0.34
144	1st	Room 2	D	Closet Door	Wood	White	Fair	Positive	5.90 ± 3.20
145	1st	Room 2	D	Closet Casing	Wood	White	Fair	Positive	27.80 ± 10.30
146	1st	Room 2	D	Closet Jamb	Wood	Gold	Fair	Positive	44.30 ± 31.20
147	1st	Room 2	D	Opening Casing	Wood	White	Fair	Positive	3.20 ± 1.90
148	1st	Room 2	D	Door (to Room 3)	Wood	White	Fair	Positive	8.40 ± 3.90
149	1st	Room 2	D	Door Jamb	Wood	White	Fair	Positive	24.40 ± 9.50
150	1st	Room 2	D	Door Threshold	Wood	Brown	Fair	Negative	0.40 ± 0.20
151	1st	Room 2	C	Door	Wood	White	Intact	Negative	0.00 ± 0.03
152	1st	Room 2	C	Door Jamb	Wood	White	Intact	Negative	0.00 ± 0.02
153	1st	Room 2	C	Door Casing	Wood	White	Intact	Negative	0.00 ± 0.02
154	1st	Room 2	A	Fireplace Mantel	Wood	White	Intact	Negative	0.06 ± 0.10
155	1st	Room 2	A	Fireplace Mantel	Wood	White	Intact	Negative	0.08 ± 0.11
156	1st	Room 2	A	Fireplace Trim	Wood	White	Intact	Positive	31.60 ± 11.10
157	1st	Room 2	B	Radiator	Metal	White	Intact	Negative	0.01 ± 0.02
158	1st	Room 2	A	Wall	Drywall	White	Intact	Negative	0.00 ± 0.02

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159	1st	Room 2	B	Chair Rail	Wood	Varnish	Intact	Negative	0.00 ± 0.02
160	1st	Room 2	B	Wall - Lower	Pandling	Brown	Intact	Negative	0.08 ± 0.18
161	1st	Room 2	C	Wall - Lower	Pandling	Brown	Intact	Negative	0.00 ± 0.02
162	1st	Room 2	D	Wall - Lower	Pandling	Brown	Intact	Negative	0.00 ± 0.02
163	1st	Room 2	B	Wall - Upper	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
164	1st	Room 2	C	Wall - Upper	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
165	1st	Room 2	D	Wall - Upper	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
166	1st	Room 2	A	Ceiling	Fiberboard	White	Intact	Negative	0.00 ± 0.02
167	1st	Room 2	A	Ceiling Trim	Wood	White	Intact	Negative	0.04 ± 0.13
168	1st	Room 2	A	Floor	Wood	Brown	Fair	Negative	0.04 ± 0.06
169	1st	Room 2	C	Floor	Wood	Brown	Fair	Negative	0.03 ± 0.05
170	1st	Room 3	C	Window Sill	Wood	Brown	Poor	Positive	3.70 ± 2.00
171	1st	Room 3	C	Window Casing	Wood	Brown	Poor	Positive	27.60 ± 10.70
172	1st	Room 3	C	Window Stop	Wood	Brown	Poor	Positive	29.60 ± 14.70
173	1st	Room 3	B	Door (to Room 2)	Wood	Brown	Poor	Positive	34.50 ± 16.00
174	1st	Room 3	B	Door Jamb	Wood	Brown	Poor	Positive	32.90 ± 15.50
175	1st	Room 3	A	Closet Door	Wood	Brown	Poor	Positive	34.20 ± 12.10
176	1st	Room 3	A	Closet Jamb	Wood	Brown	Poor	Positive	22.10 ± 9.00
177	1st	Room 3	A	Closet Casing	Wood	Brown	Poor	Positive	26.40 ± 10.20
178	1st	Room 3	A	Closet Shelf	Wood	Bone	Poor	Positive	9.30 ± 4.10
179	1st	Room 3	A	Closet Cleat Up	Wood	Bone	Fair	Positive	7.20 ± 3.60
180	1st	Room 3	A	Closet Cleat	Wood	Bone	Fair	Negative	0.02 ± 0.09
181	1st	Room 3	A	Closet Baseboard	Wood	Bone	Fair	Positive	4.90 ± 2.50
182	1st	Room 3	A	Closet Wall	Plaster	Unpainted	Damaged	Negative	0.00 ± 0.02
183	1st	Room 3	A	Baseboard	Wood	Brown	Fair	Positive	31.90 ± 11.40
184	1st	Room 3	B	Baseboard	Wood	Brown	Fair	Positive	34.70 ± 26.10
185	1st	Room 3	C	Radiator	Metal	White	Fair	Negative	0.01 ± 0.07
186	1st	Room 3	A	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
187	1st	Room 3	B	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
188	1st	Room 3	C	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
189	1st	Room 3	D	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
190	1st	Room 3	D	Ceiling	Drywall	White	Damaged	Negative	0.00 ± 0.02
191	1st	Room 3	C	Floor	Wood	Varnish	Fair	Negative	0.01 ± 0.04
192	1st	Room 3	C	Chase	Wood	White	Intact	Negative	0.00 ± 0.02
193	1st	Alcove	C	Window Sash Int.	Wood	Brown	Intact	Negative	0.01 ± 0.03
194	1st	Alcove	C	Window Sash Ext.	Wood	White	Poor	Negative	0.00 ± 0.02
195	1st	Alcove	C	Window Well	Wood	White	Peeling	Negative	0.22 ± 0.16
196	1st	Alcove	C	Window Well	Wood	White	Peeling	Negative	0.18 ± 0.14
197	1st	Alcove	D	Door	Wood	White	Damaged	Negative	0.00 ± 0.02
198	1st	Alcove	D	Door Jamb	Wood	Unpainted	Intact	Negative	0.00 ± 0.02
199	1st	Alcove	C	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
200	1st	Alcove	D	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
201	1st	Bath 2	C	Window Sill	Wood	Varnish	Intact	Negative	0.00 ± 0.02
202	1st	Bath 2	C	Window Casing	Wood	Varnish	Intact	Negative	0.40 ± 0.30
203	1st	Bath 2	C	Window Sash Int.	Wood	Varnish	Intact	Negative	0.01 ± 0.03
204	1st	Bath 2	C	Window Sash Ext.	Wood	White	Fair	Negative	0.00 ± 0.03
205	1st	Bath 2	C	Window Well	Wood	White	Fair	Negative	0.04 ± 0.07
206	1st	Bath 2	B	Door	Wood	White	Intact	Negative	0.00 ± 0.03
207	1st	Bath 2	B	Door Casing	Wood	White	Intact	Negative	0.00 ± 0.02
208	1st	Bath 2	A	Baseboard	Wood	White	Intact	Negative	0.00 ± 0.02
209	1st	Bath 2	C	Radiator	Metal	White	Poor	Negative	0.01 ± 0.05
210	1st	Bath 2	A	Cabinet Door Lwr	Wood	Varnish	Intact	Negative	0.00 ± 0.02

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
211	1st	Bath 2	A	Cabinet Body	Wood	Varnish	Intact	Negative	0.00 ± 0.02
212	1st	Bath 2	A	Wall	Drywall	Off-White	Intact	Negative	0.00 ± 0.02
213	1st	Bath 2	B	Wall	Drywall	Off-White	Intact	Negative	0.00 ± 0.02
214	1st	Bath 2	C	Wall	Drywall	Off-White	Intact	Negative	0.00 ± 0.02
215	1st	Bath 2	D	Wall	Drywall	Off-White	Intact	Negative	0.00 ± 0.02
216	1st	Bath 2	D	Corner Trim	Wood	Varnish	Intact	Negative	0.00 ± 0.02
217	1st	Front Stairs	D	Stair Stringer	Wood	White	Intact	Positive	31.10 ± 15.00
219	1st	Front Stairs	C	Stair Riser	Wood	White	Poor	Positive	20.70 ± 8.60
220	1st	Front Stairs	C	Stair Riser	Wood	White	Poor	Positive	10.40 ± 4.40
221	1st	Front Stairs	D	Stair Baluster	Wood	Brown	Intact	Negative	0.05 ± 0.08
222	1st	Front Stairs	D	Stair Railing	Wood	Brown	Intact	Negative	0.10 ± 0.14
223	1st	Front Stairs	D	Stair Newel Post	Wood	Brown	Intact	Negative	0.08 ± 0.10
224	1st	Front Stairs	D	Stair Tread	Wood	Varnish	Intact	Negative	0.01 ± 0.04
225	1st	Front Stairs	D	Stair Tread	Wood	Varnish	Intact	Negative	0.01 ± 0.03
226	1st	Front Stairs	A	Stair Wallcasing	Wood	White	Peeling	Positive	17.40 ± 10.60
227	1st	Front Stairs	B	Stair Wallcasing	Wood	White	Peeling	Positive	23.90 ± 9.50
228	1st	Front Stairs	D	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
229	2nd	Front Stairs	B	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
230	2nd	Front Stairs	D	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
231	2nd	Hall 2	B	Door Rht	Wood	White	Poor	Positive	22.40 ± 9.20
232	2nd	Hall 2	B	Door Jamb	Wood	White	Poor	Positive	20.50 ± 8.80
233	2nd	Hall 2	C	Door	Wood	White	Fair	Positive	22.20 ± 7.00
234	2nd	Hall 2	C	Door Casing	Wood	White	Intact	Positive	24.40 ± 9.50
235	2nd	Hall 2	C	Door Jamb	Wood	White	Fair	Positive	24.50 ± 9.80
236	2nd	Hall 2	D	Door	Wood	Bone	Fair	Positive	23.50 ± 9.60
237	2nd	Hall 2	D	Door Casing	Wood	Bone	Fair	Positive	21.70 ± 8.90
238	2nd	Hall 2	C	Closet Door	Wood	Bone	Poor	Positive	16.70 ± 7.60
239	2nd	Hall 2	C	Closet Jamb	Wood	Bone	Poor	Negative	0.13 ± 0.15
240	2nd	Hall 2	C	Closet Shelf	Wood	Beige	Fair	Negative	0.14 ± 0.29
241	2nd	Hall 2	C	Closet Shelf	Wood	Beige	Fair	Negative	0.06 ± 0.23
242	2nd	Hall 2	C	Closet Shelf Lwr	Wood	Beige	Fair	Negative	0.02 ± 0.04
243	2nd	Hall 2	C	Closet Cleat	Wood	Beige	Fair	Positive	11.90 ± 4.70
244	2nd	Hall 2	C	Closet Baseboard	Wood	Beige	Fair	Positive	14.90 ± 5.40
245	2nd	Hall 2	C	Closet Wall	Plaster	Beige	Peeling	Negative	0.02 ± 0.03
246	2nd	Hall 2	C	Closet Wall D	Plaster	Wallpaper	Damaged	Negative	0.02 ± 0.07
247	2nd	Hall 2	C	Closet Access Door B	Panding	Wallpaper	Poor	Negative	0.00 ± 0.02
248	2nd	Hall 2	C	Closet Access DoorJamb	Wood	Beige	Fair	Positive	18.00 ± 2.00
249	2nd	Hall 2	A	Closet Door	Wood	Beige	Fair	Positive	24.90 ± 9.80
250	2nd	Hall 2	A	Closet Casing	Wood	Beige	Fair	Positive	23.90 ± 9.50
251	2nd	Hall 2	A	Closet Shelf	Wood	Beige	Fair	Negative	0.06 ± 0.12
252	2nd	Hall 2	A	Closet Cleat	Wood	Beige	Fair	Positive	6.20 ± 3.40
253	2nd	Hall 2	A	Closet Cleat	Wood	Beige	Fair	Positive	5.80 ± 3.20
254	2nd	Hall 2	A	Closet Baseboard	Wood	Beige	Fair	Positive	4.70 ± 2.60
256	2nd	Hall 2	A	Closet Wall	Plaster	Beige	Damaged	Negative	0.00 ± 0.02
257	2nd	Hall 2	A	Closet Ceiling	Plaster	Beige	Damaged	Negative	0.01 ± 0.02
258	2nd	Hall 2	C	Baseboard	Wood	White	Intact	Positive	28.00 ± 10.60
259	2nd	Hall 2	B	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
261	2nd	Hall 2	C	Ceiling	Plaster	Bone	Peeling	Negative	0.01 ± 0.02
262	2nd	Hall 2	C	Ceiling	Plaster	Bone	Peeling	Negative	0.00 ± 0.02
263	2nd	Room 4	A	Window Sill	Wood	Bone	Poor	Negative	0.20 ± 0.12
264	2nd	Room 4	A	Window Sill	Wood	Bone	Poor	Positive	7.20 ± 0.90
265	2nd	Room 4	A	Window Casing	Wood	Bone	Poor	Positive	31.00 ± 3.60

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266	2nd	Room 4	A	Window Stop	Wood	White	Intact	Positive	1.80 ± 0.80
267	2nd	Room 4	A	Window Stop	Wood	White	Intact	Positive	12.60 ± 5.00
268	2nd	Room 4	D	Closet Door	Wood	White	Peeling	Positive	31.30 ± 11.30
269	2nd	Room 4	D	Closet Casing	Wood	White	Peeling	Positive	32.20 ± 11.60
270	2nd	Room 4	D	Closet Baseboard	Wood	Beige	Fair	Positive	11.30 ± 4.70
271	2nd	Room 4	D	Cl. Bookcase Shelf	Wood	Beige	Intact	Negative	0.01 ± 0.04
272	2nd	Room 4	D	Cl. Bookcase Shelf	Wood	Beige	Intact	Negative	0.02 ± 0.05
273	2nd	Room 4	D	Cl. Bookcase Frame	Wood	Beige	Intact	Negative	0.02 ± 0.06
274	2nd	Room 4	D	Closet Cleat	Wood	Beige	Intact	Positive	8.80 ± 4.10
275	2nd	Room 4	D	Baseboard	Wood	Beige	Intact	Positive	30.50 ± 23.90
276	2nd	Room 4	D	Baseboard	Wood	Beige	Intact	Positive	30.50 ± 14.80
277	2nd	Room 4	B	Radiator	Plaster	White	Intact	Negative	0.02 ± 0.04
278	2nd	Room 4	B	Floor	Wood	Varnish	Fair	Negative	0.11 ± 0.07
279	2nd	Room 4	D	Ceiling	Plaster	Bone	Poor	Negative	0.00 ± 0.02
280	2nd	Room 4	D	Wall	Plaster	Wallpaper	Damaged	Negative	0.00 ± 0.02
281	2nd	Room 5	A	Window Sill	Wood	Brown	Damaged	Positive	33.50 ± 11.90
282	2nd	Room 5	A	Window Casing	Wood	White	Poor	Positive	27.90 ± 10.40
283	2nd	Room 5	B	Window Sill Ctr	Wood	White	Poor	Negative	0.60 ± 0.30
284	2nd	Room 5	B	Window Sill Ctr	Wood	White	Poor	Negative	0.70 ± 0.10
285	2nd	Room 5	B	Window Casing	Wood	White	Poor	Positive	22.50 ± 9.20
286	2nd	Room 5	B	Window Sash Int. Upr	Wood	White	Poor	Negative	0.06 ± 0.06
287	2nd	Room 5	B	Window Sill Lft	Wood	White	Poor	Negative	0.60 ± 0.30
288	2nd	Room 5	B	Window Casing	Wood	White	Poor	Positive	2.50 ± 1.10
289	2nd	Room 5	B	Window Sash Int.	Wood	White	Damaged	Negative	0.08 ± 0.14
290	2nd	Room 5	B	Window Sill Rht	Wood	White	Peeling	Negative	0.30 ± 0.09
291	2nd	Room 5	B	Window Sill Rht	Wood	White	Peeling	Negative	0.80 ± 0.10
292	2nd	Room 5	B	Window Casing	Wood	White	Damaged	Positive	4.10 ± 1.80
293	2nd	Room 5	B	Window Sash Int.	Wood	White	Damaged	Negative	0.04 ± 0.07
294	2nd	Room 5	C	Closet Door	Wood	White	Poor	Positive	30.50 ± 11.30
295	2nd	Room 5	C	Closet Jamb	Wood	White	Fair	Positive	22.80 ± 9.20
296	2nd	Room 5	C	Closet Shelf	Wood	Beige	Fair	Negative	0.00 ± 0.03
297	2nd	Room 5	C	Closet Cleat	Wood	Beige	Fair	Negative	0.04 ± 0.20
298	2nd	Room 5	C	Closet Cleat	Wood	Beige	Fair	Positive	6.00 ± 4.10
299	2nd	Room 5	C	Closet Baseboard	Wood	Beige	Poor	Positive	8.40 ± 4.00
300	2nd	Room 5	C	Cabinet Door Lwr	Plywood	Beige	Poor	Negative	0.00 ± 0.02
301	2nd	Room 5	C	Cabinet Shelf	Plywood	Beige	Fair	Negative	0.01 ± 0.05
302	2nd	Room 5	C	Cabinet Frame	Wood	Beige	Fair	Negative	0.00 ± 0.02
303	2nd	Room 5	C	Cabinet Wall	Plaster	Beige	Damaged	Negative	0.01 ± 0.03
304	2nd	Room 5	C	Baseboard	Plaster	Beige	Poor	Positive	29.90 ± 11.10
305	2nd	Room 5	B	Radiator	Metal	White	Fair	Negative	0.01 ± 0.04
306	2nd	Room 5	A	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
307	2nd	Room 5	B	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
308	2nd	Room 5	C	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
309	2nd	Room 5	D	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
311	2nd	Room 5	D	Ceiling	Drywall	White	Peeling	Negative	0.00 ± 0.02
312	2nd	Room 5	D	Floor	Wood	Varnish	Fair	Negative	0.01 ± 0.03
313	2nd	Room 6	B	Window Sill	Wood	White	Poor	Positive	1.60 ± 0.40
314	2nd	Room 6	B	Window Casing	Wood	White	Fair	Positive	23.70 ± 7.20
315	2nd	Room 6	B	Window Stop	Wood	White	Damaged	Positive	23.50 ± 9.40
316	2nd	Room 6	C	Window Sill	Wood	White	Poor	Positive	3.30 ± 1.80
317	2nd	Room 6	C	Window Casing	Wood	White	Poor	Positive	31.60 ± 11.40
318	2nd	Room 6	D	Door	Wood	White	Poor	Positive	22.10 ± 9.00

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
319	2nd	Room 6	D	Door Jamb	Wood	White	Poor	Positive	24.20 ± 9.60
320	2nd	Room 6	A	Closet Door	Wood	White	Poor	Positive	27.50 ± 10.60
321	2nd	Room 6	A	Closet Jamb	Wood	White	Poor	Positive	30.00 ± 8.40
322	2nd	Room 6	A	Closet Cleat	Wood	White	Intact	Positive	15.10 ± 5.50
323	2nd	Room 6	A	Closet Baseboard	Wood	White	Intact	Positive	14.80 ± 5.40
324	2nd	Room 6	A	Closet Wall	Plaster	White	Damaged	Negative	0.03 ± 0.02
325	2nd	Room 6	A	Fireplace Trim	Wood	White	Intact	Positive	30.00 ± 11.00
326	2nd	Room 6	A	Fireplace Mantel	Wood	White	Fair	Positive	26.30 ± 10.00
327	2nd	Room 6	A	Baseboard	Wood	White	Fair	Positive	27.10 ± 10.40
328	2nd	Room 6	D	Baseboard	Wood	White	Fair	Positive	32.60 ± 11.80
329	2nd	Room 6	C	Radiator	Metal	White	Poor	Negative	0.01 ± 0.04
330	2nd	Room 6	A	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
331	2nd	Room 6	B	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
332	2nd	Room 6	C	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
333	2nd	Room 6	D	Ceiling	Drywall	White	Peeling	Negative	0.00 ± 0.02
334	2nd	Room 6	C	Floor	Wood	Varnish	Intact	Negative	0.04 ± 0.09
335	2nd	Bath 3	C	Window Sill	Wood	White	Poor	Positive	22.90 ± 9.50
336	2nd	Bath 3	C	Window Casing	Wood	White	Poor	Positive	15.70 ± 5.70
337	2nd	Bath 3	A	Door	Wood	White	Poor	Positive	14.70 ± 5.50
338	2nd	Bath 3	A	Door Casing	Wood	White	Poor	Positive	14.90 ± 7.30
339	2nd	Bath 3	D	Cabinet Door Lft.	Wood	White	Fair	Negative	0.06 ± 0.11
340	2nd	Bath 3	D	Cabinet Door Lft.	Wood	White	Fair	Negative	0.04 ± 0.06
341	2nd	Bath 3	D	Cabinet Door Rht	Wood	White	Fair	Negative	0.02 ± 0.03
342	2nd	Bath 3	D	Cabinet Body	Wood	White	Fair	Negative	0.04 ± 0.08
343	2nd	Bath 3	D	Cabinet Drawer	Wood	White	Poor	Negative	0.13 ± 0.26
344	2nd	Bath 3	D	Cabinet Shelf	Wood	Varnish	Intact	Negative	0.01 ± 0.03
345	2nd	Bath 3	B	Baseboard	Wood	White	Fair	Negative	0.02 ± 0.07
346	2nd	Bath 3	B	Baseboard	Wood	White	Fair	Negative	0.08 ± 0.13
347	2nd	Bath 3	C	Radiator	Metal	White	Fair	Negative	0.10 ± 0.09
348	2nd	Bath 3	C	Cabinet Door Lwr	Wood	Varnish	Intact	Negative	0.00 ± 0.02
349	2nd	Bath 3	C	Cabinet Frame	Wood	Varnish	Intact	Negative	0.00 ± 0.02
350	2nd	Bath 3	C	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
351	2nd	Bath 3	C	Floor	Drywall	Varnish	Intact	Negative	0.09 ± 0.15
352	2nd	Bath 3	A	Attic Cover Trim	Wood	Beige	Poor	Positive	17.40 ± 6.00
353	2nd	Room 7	D	Window Stop	Wood	White	Intact	Negative	0.00 ± 0.02
354	2nd	Room 7	B	Door	Wood	Bone	Poor	Positive	21.80 ± 9.10
355	2nd	Room 7	B	Door Jamb	Wood	Bone	Poor	Positive	19.10 ± 8.40
356	2nd	Room 7	B	Closet Door	Wood	White	Fair	Positive	17.30 ± 7.80
357	2nd	Room 7	B	Closet Casing	Wood	White	Fair	Positive	19.20 ± 8.30
358	2nd	Room 7	B	Closet Cleat	Wood	Beige	Fair	Positive	7.80 ± 3.20
359	2nd	Room 7	B	Closet Cleat	Wood	Beige	Fair	Positive	23.90 ± 9.70
360	2nd	Room 7	B	Closet Baseboard	Wood	Beige	Fair	Positive	8.50 ± 3.30
361	2nd	Room 7	B	Closet Wall	Vinyl	Wallpaper	Fair	Negative	0.02 ± 0.04
362	2nd	Room 7	B	Closet Ceiling	Plaster	White	Fair	Negative	0.00 ± 0.02
363	2nd	Room 7	A	Baseboard	Wood	Bone	Fair	Positive	16.00 ± 5.70
364	2nd	Room 7	C	Baseboard	Wood	Bone	Fair	Positive	15.10 ± 5.50
365	2nd	Room 7	A	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
367	2nd	Room 7	B	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
368	2nd	Room 7	C	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
369	2nd	Room 7	D	Wall	Drywall	Unpainted	Intact	Negative	0.00 ± 0.02
370	2nd	Room 7	C	Floor	Wood	Varnish	Intact	Negative	0.01 ± 0.05
371	1st	Rear Stairs	B	Baseboard	Wood	Beige	Intact	Positive	31.30 ± 11.50

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
372	1st	Rear Stairs	D	Stair Riser	Wood	Gray	Poor	Positive	8.60 ± 3.90
373	1st	Rear Stairs	D	Stair Riser	Wood	Gray	Poor	Positive	7.50 ± 3.70
374	1st	Rear Stairs	C	Stair Tread	Wood	Gray	Poor	Positive	4.80 ± 2.90
375	1st	Rear Stairs	C	Stair Tread	Wood	Gray	Poor	Positive	10.40 ± 4.50
376	1st	Rear Stairs	A	Wall	Plaster	Beige	Poor	Negative	0.17 ± 0.06
377	1st	Rear Stairs	B	Wall	Plaster	Beige	Poor	Negative	0.30 ± 0.15
378	1st	Rear Stairs	A	Opening Casing	Wood	Beige	Poor	Positive	30.90 ± 11.50
379	1st	Base Stairs	A	Door	Wood	Beige	Damaged	Positive	33.10 ± 16.10
380	1st	Base Stairs	A	Door Jamb	Wood	Beige	Damaged	Positive	35.10 ± 12.40
381	1st	Base Stairs	A	Wall	Plaster	White	Damaged	Negative	0.00 ± 0.02
382	1st	Base Stairs	A	Wall	Plaster	Bone	Damaged	Negative	0.01 ± 0.03
383	1st	Base Stairs	B	Wall	Plaster	Bone	Damaged	Negative	0.09 ± 0.05
384	1st	Base Stairs	C	Wall	Plaster	Bone	Damaged	Negative	0.01 ± 0.03
385	1st	Base Stairs	D	Wall	Plaster	Bone	Damaged	Negative	0.01 ± 0.03
386	1st	Base Stairs	B	Ceiling	Plaster	Bone	Peeling	Negative	0.00 ± 0.02
387	Base.	Base Stairs	D	Stair Riser	Wood	Gray	Poor	Positive	16.00 ± 5.80
388	Base.	Base Stairs	D	Stair Riser	Wood	Gray	Poor	Positive	15.80 ± 5.70
389	Base.	Base Stairs	D	Stair Tread	Wood	Gray	Poor	Positive	11.50 ± 4.70
390				Calibration- Surface			1.53mg/cm <sup>2</sup>	Positive	1.50 ± 0.10
391				Calibration- Surface			1.04mg/cm <sup>2</sup>	Positive	1.00 ± 0.10
392				Calibration- Surface			1.04mg/cm <sup>2</sup>	Positive	1.00 ± 0.10
393				Calibration- Surface			1.04mg/cm <sup>2</sup>	Positive	1.00 ± 0.10
394				Calibration- Surface			0.01mg/cm <sup>2</sup>	Negative	0.00 ± 0.02

Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
1				Calibration- Surface			1.53mg/cm <sup>2</sup>	Positive	1.60 ± 0.20
2				Calibration- Surface			1.04mg/cm <sup>2</sup>	Positive	1.10 ± 0.10
3				Calibration- Surface			1.04mg/cm <sup>2</sup>	Positive	1.00 ± 0.10
4				Calibration- Surface			1.04mg/cm <sup>2</sup>	Positive	1.00 ± 0.10
5				Calibration- Surface			0.01mg/cm <sup>2</sup>	Negative	0.00 ± 0.02
6		Front Porch Rht	A	Door Rht	Wood	Blue	Poor	Positive	13.60 ± 5.30
7		Front Porch Rht	A	Door Jamb	Wood	White	Poor	Negative	0.19 ± 0.22
8		Front Porch Rht	A	Door Jamb	Wood	White	Poor	Positive	16.80 ± 6.20
9		Front Porch Rht	A	Door Threshold	Wood	White	Fair	Negative	0.30 ± 0.23
10		Front Porch Rht	A	Door Threshold	Wood	White	Fair	Negative	0.16 ± 0.16
11		Front Porch Rht	A	Door Casing	Wood	White	Intact	Positive	3.40 ± 2.00
12		Front Porch Rht	A	Ext. Siding Rht	Wood	Green	Intact	Positive	2.40 ± 0.90
13		Front Porch Rht	A	Porch Baluster	Wood	White	Intact	Negative	0.00 ± 0.02
14		Front Porch Rht	A	Porch Rail Cap	Wood	White	Intact	Negative	0.00 ± 0.02
15		Front Porch Rht	A	Porch Column Ctr	Wood	White	Intact	Negative	0.00 ± 0.02
16		Front Porch Rht	A	Porch Upper Trim	Wood	White	Intact	Negative	0.00 ± 0.02
17		Front Porch Rht	A	Porch Upper Trim	Wood	White	Intact	Negative	0.00 ± 0.02
18		Front Porch Rht	A	Porch Ceiling	Wood	White	Intact	Negative	0.00 ± 0.02
19		Front Porch Rht	A	Ext. Soffit	Wood	White	Intact	Positive	1.50 ± 0.50
20		Front Porch Rht	A	Porch Floor	Wood	Gray	Fair	Negative	0.03 ± 0.06
21		Front Porch Rht	A	Porch Floor	Wood	Gray	Fair	Negative	0.02 ± 0.05
22		Front Porch Rht	A	Ext. Siding	Wood	Green	Intact	Positive	4.20 ± 2.40
23		Front Porch Rht	A	Corner Trim	Wood	Green	Intact	Negative	0.50 ± 0.50
24		Front Porch Rht	A	Window Casing	Wood	White	Intact	Positive	8.00 ± 4.00
25		Front Porch Lft	A	Doors Lft	Wood	Green	Poor	Negative	0.40 ± 0.30
26		Front Porch Lft	A	Doors Lft	Wood	Green	Poor	Negative	0.15 ± 0.12
27		Front Porch Lft	A	Doors Lft	Wood	Green	Poor	Negative	0.10 ± 0.10
28		Front Porch Lft	A	Doors Lft	Wood	Green	Poor	Negative	0.70 ± 0.30
29		Front Porch Lft	A	Door Casing	Wood	White	Intact	Negative	0.01 ± 0.03
30		Front Porch Lft	A	Door Jamb	Wood	White	Intact	Negative	0.26 ± 0.21
31		Front Porch Lft	A	Door Threshold	Wood	Gray	Poor	Negative	0.40 ± 0.20
32		Front Porch Lft	A	Door Threshold	Wood	Gray	Poor	Negative	0.40 ± 0.30
33		Front Porch Lft	A	Window Casing Lft	Wood	White	Intact	Positive	5.50 ± 2.20
34		Front Porch Lft	A	Window Sill Lft	Wood	White	Intact	Positive	4.90 ± 3.10
35		Front Porch Lft	A	Ext. Siding Lft	Wood	Green	Intact	Negative	0.50 ± 0.30
36		Front Porch Lft	A	Ext. Siding Lft	Wood	Green	Intact	Positive	3.90 ± 2.40
37		Front Porch Lft	A	Door Kick Plate	Wood	White	Intact	Negative	0.06 ± 0.18
38		Front Porch Lft	A	Door Kick Plate	Wood	White	Intact	Negative	0.04 ± 0.08
40		Front Porch Lft	A	Porch Column Rht	Wood	White	Intact	Negative	0.00 ± 0.02
41		Front Porch Lft	A	Porch Upper Trim	Wood	White	Intact	Negative	0.80 ± 0.20
42		Front Porch Lft	A	Porch Upper Trim	Wood	White	Intact	Positive	2.60 ± 1.50
43		Front Porch Lft	A	Porch Ceiling	Wood	White	Intact	Negative	0.06 ± 0.13
44		Front Porch Lft	A	Porch Ceiling	Wood	White	Intact	Negative	0.05 ± 0.15
45		Front Porch Lft	A	Porch Floor	Wood	Black	Poor	Negative	0.01 ± 0.04
46		Front Porch Lft	A	Porch Floor	Wood	Black	Poor	Negative	0.01 ± 0.03
47		Front Porch Lft	A	Corner Trim	Wood	White	Intact	Negative	0.30 ± 0.26
48		Front Porch Lft	A	Corner Trim	Wood	White	Intact	Negative	0.40 ± 0.40
49		Exterior	A	Ext. Foundation	Brick	Green	Poor	Positive	17.70 ± 5.40
50		Exterior	B	Ext. Foundation	Brick	Black	Poor	Positive	16.90 ± 11.30
51		Exterior	B	Cell. Wind. Frame Lft	Wood	Gray	Poor	Positive	27.70 ± 7.10
52		Exterior	B	Cell. Wind. Sash	Wood	Gray	Poor	Positive	5.30 ± 2.70
53		Exterior	B	Ext. Siding	Wood	Green	Intact	Positive	20.60 ± 12.30



Index	FL	ROOM	SIDE	COMPONENT	SUBSTRATE	COLOR	CONDITION	Results	PbC
54		Exterior	B	Corner Trim	Wood	White	Intact	Negative	0.40 ± 0.40
55		Exterior	B	Corner Trim	Wood	White	Intact	Negative	0.24 ± 0.38
56		Exterior	B	Window Casing Rht	Wood	White	Intact	Positive	14.00 ± 5.50
57		Exterior	B	Window Panel	Wood	White	Intact	Positive	12.10 ± 5.00
58		Exterior	B	Cell. Wind. Frame Rht	Wood	Gray	Poor	Negative	0.40 ± 0.20
59		Exterior	B	Cell. Wind. Frame Rht	Wood	Gray	Poor	Positive	1.40 ± 0.30
60		Exterior	C	Ext. Foundation	Brick	Gray	Poor	Positive	27.20 ± 14.60
61		Exterior	C	Window Casing Rht	Brick	Pink	Poor	Negative	0.50 ± 0.10
62		Exterior	C	Window Casing Rht	Brick	Pink	Poor	Negative	0.70 ± 0.10
63	LL	Exterior	C	Door Rht	Wood	Green	Poor	Null	1.00 ± 0.10
64	LL	Exterior	C	Door Rht	Wood	Green	Poor	Positive	1.30 ± 0.20
65	LL	Exterior	C	Door Jamb	Wood	Green	Poor	Positive	6.30 ± 3.60
66	LL	Exterior	C	Door Lft	Wood	Green	Poor	Positive	1.30 ± 0.20
67	LL	Exterior	C	Door Jamb	Wood	Green	Poor	Positive	1.20 ± 0.20
68	LL	Exterior	C	Window Sash Ext.	Wood	Green	Poor	Positive	3.90 ± 1.90
69	LL	Exterior	C	Window Casing	Wood	White	Poor	Negative	0.70 ± 0.20
70	LL	Exterior	C	Window Casing Lft	Wood	White	Poor	Positive	9.60 ± 4.60
71		Exterior	C	Ext. Siding	Wood	Green	Intact	Positive	4.90 ± 2.40
72		Exterior	C	Ext. Siding	Wood	Green	Intact	Positive	14.00 ± 5.40
73		Exterior	C	Corner Trim	Wood	White	Intact	Negative	0.70 ± 0.20
74		Exterior	C	Lwr Trim	Wood	White	Intact	Positive	17.90 ± 6.30
75	1st	Exterior	C	Window Casing Rht	Wood	White	Intact	Positive	23.00 ± 13.40
76	1st	Exterior	C	Door	Metal	White	Intact	Negative	0.00 ± 0.02
77	1st	Exterior	C	Door Jamb	Wood	White	Intact	Negative	0.00 ± 0.02
78	1st	Exterior	C	Porch Floor	Wood	Black	Poor	Negative	0.12 ± 0.15
79	1st	Exterior	C	Porch Bench	Wood	Black	Poor	Negative	0.02 ± 0.04
80		Exterior	D	Ext. Siding Rht	Wood	Green	Intact	Negative	0.02 ± 0.06
81		Exterior	D	Ext. Siding Upr. T1-11	Wood	Green	Intact	Negative	0.00 ± 0.02
82		Exterior	D	Cell. Window Sash	Wood	Black	Intact	Positive	1.60 ± 0.40
83		Exterior	D	Cell. Window Frame	Wood	Gray	Intact	Positive	9.50 ± 7.60
84		Exterior	D	Ext. Siding Lft	Wood	Gray	Intact	Negative	0.00 ± 0.02
85		Exterior	D	Ext. Siding Lft	Wood	Gray	Intact	Positive	4.70 ± 2.90
86		Garage Ext	A	Door Rht	Wood	Green	Intact	Positive	19.60 ± 11.90
87		Garage Ext	A	Door Lft	Wood	Green	Intact	Positive	3.50 ± 1.70
88		Garage Ext	A	Ext. Soffit	Wood	Green	Intact	Positive	22.40 ± 19.90
89		Garage Ext	D	Ext. Soffit	Wood	White	Peeling	Positive	22.70 ± 20.40
90		Garage Ext	B	Ext. Soffit	Wood	White	Peeling	Positive	23.40 ± 13.10
91		Garage Ext	A	Ext. Siding	Wood	Green	Intact	Positive	17.30 ± 10.90
92		Garage Ext	B	Ext. Siding	Wood	White	Poor	Positive	12.80 ± 8.90
93		Garage Ext	D	Ext. Siding	Wood	White	Poor	Positive	14.10 ± 5.30
94				Calibration- Surface			1.53mg/cm²	Positive	1.50 ± 0.10
95				Calibration- Buried			1.04mg/cm²	Positive	1.00 ± 0.10
96				Calibration- Buried			1.04mg/cm²	Positive	1.10 ± 0.10
97				Calibration- Buried			1.04mg/cm²	Positive	1.10 ± 0.10
98				Calibration- Buried			0.01mg/cm²	Negative	0.00 ± 0.02



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

## Lead Dust Wipe Analysis Report

**Report Number:** 19-09-00965

**Client:** CT Lead Paint Solutions Inc.  
 1245 Hebron Avenue  
 Glastonbury, CT 06033

**Received Date:** 09/09/2019  
**Analyzed Date:** 09/10/2019  
**Reported Date:** 09/12/2019

**Project/Test Address:** 19-0260; DaSilva Rehab; 172 Laurel Hill Ave; Norwich, CT 06360

**Collection Date:** 09/03/2019

**Client Number:**  
 07-1566

# Laboratory Results

**Fax Number:**  
 860-633-3330

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft <sup>2</sup> )	Concentration (ug/ft <sup>2</sup> )	Narrative ID
19-09-00965-001	DW-10	B SIDE KITCHEN	FL	559	1.00	559	
19-09-00965-002	DW-11	C SIDE LEFT ROOM 1	FL	1440	1.00	1440	
19-09-00965-003	DW-12	B SIDE RIGHT ROOM 1	SL	23400	0.587	39900	
19-09-00965-004	DW-13	B SIDE ROOM 1	WW	146000	0.427	342000	
19-09-00965-005	DW-14	C SIDE ROOM 6	FL	2490	1.00	2490	
19-09-00965-006	DW-15	C SIDE ROOM 6	SL	47700	0.556	85800	

## Environmental Hazards Services, L.L.C

**Client Number:** 07-1566  
**Project/Test Address:** 19-0260; DaSilva Rehab; 172 Laurel Hill Ave;  
 Norwich, CT 06360

**Report Number:** 19-09-00965

Lab Sample Number	Client Sample Number	Collection Location	Surface	Total Pb (ug)	Wipe Area (ft <sup>2</sup> )	Concentration (ug/ft <sup>2</sup> )	Narrative ID
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**Method:** ASTM E-1979-17/EPA SW846 7000B

**Accreditation #:** CT PH-0234

Reviewed By Authorized Signatory: Melissa Kanode

*Missy Kanode*

QA/QC Clerk

The Federal lead guidelines for dust clearance levels by wipe sampling: Floors (FL) - 40 ug/ft<sup>2</sup>, Interior Window Sills (SL) - 250 ug/ft<sup>2</sup>, Window Wells (WW) - 400 ug/ft<sup>2</sup>.

Effective April 1, 2017 all existing Office of Lead Hazard Control and Healthy Homes (OLHCHH), Lead Based Paint Hazard Control (LBPHC), and Lead Hazard Reduction (LHRD) grantees will use the following dust-lead action levels and clearance action levels (or lower levels if required by local, state or tribal authorities having jurisdictions):

Dust-Lead Action Levels: Floors (FL) -  $\geq 10$  ug/ft<sup>2</sup>, Window Sills (SL)-  $\geq 100$  ug/ft<sup>2</sup>

Lead Clearance Action Levels: Interior Floors (FL) -  $< 10$  ug/ft<sup>2</sup>, Porch Floors (PFL) -  $< 40$  ug/ft<sup>2</sup>  
 Window Sills (SL)-  $< 100$  ug/ft<sup>2</sup>, Window Troughs (WW) -  $< 100$  ug/ft<sup>2</sup>

The Reporting Limit (RL) is 5.00 ug Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in ug/ft<sup>2</sup> are calculated based on area supplied by the client. If the report does not contain the result for a field blank, it is due to the fact that the client did not include a field blank with their samples. EHS sample results do not reflect blank correction. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Services, L.L.C.

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

Legend	ug = microgram	ug/ft <sup>2</sup> = micrograms per square foot	Pb = lead
	mL = milliliter	ft <sup>2</sup> = square foot	

Environmental Hazards Services, LLC  
 7469 Whitepine Road  
 North Chesterfield, Virginia 23237  
 804-275-4788

19-09-00965



Due Date:  
 09/12/2019  
 (Thursday)  
 AE

EB

**CHAIN OF CUSTODY FORM**

Date: September 06, 2019  
 Company Name: CT Lead Paint Solutions, LLC  
 Address: 1245 Hebron Ave.  
 City, State, Zip: Glastonbury, CT 06033  
 Phone: 860-633-3330  
 Project Name: DaSilva Rehab  
 Project Address: 172 Laurel Hill Ave, Norwich, CT 06360  
 Project Number: 19-0260

E-mail to:  
[andrew@ctleadpaint.com](mailto:andrew@ctleadpaint.com)  
 Dates of Collections;  
 September 03, 2019

Matrix	Method	Instrument	Method Detect Limits	TAT
Lead in Dust	EPA SW 846 7420	Flame Atomic Absorption	3.0 µg/wipe	three day

Lead Wipes Used ASTM E 1792

**Lead in Dust**

Sample #	Area size/ Sq. inch	Location Sample and Substrate	Room or area
DW-10	144.00	Floor, B side, vinyl	Kitchen
DW-11	144.00	Floor, C side, left, wood	Room 1
DW-12	84.50	Window sill, B side, right, wood	Room 1
DW-13	61.50	Window well, B side, vinyl	Room 1
DW-14	144.00	Floor, C side, wood	Room 6
DW-15	80.00	Window sill, C side, wood	Room 6
Collected	Andrew Miller	Signature <i>Andrew Miller</i>	Date: Sept. 03, 2019
Mailed	Andrew Miller	Signature <i>Andrew Miller</i>	Date: Sept. 07, 2019
Received	T Stone	Signature <i>T Stone</i>	Date: 9/9/19

12:52 pm



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

## Lead in Soil Analysis Report

Report Number: 19-09-00980

Client: CT Lead Paint Solutions Inc.  
 1245 Hebron Avenue  
 Glastonbury, CT 06033

Received Date: 09/09/2019  
 Analyzed Date: 09/10/2019  
 Reported Date: 09/12/2019

Project/Test Address: 19-0260; DaSilva Rehab Assessment Tests; 172 Laurel Hill Ave; Norwich, CT 06360

Collection Date: 09/03/2019

Client Number:  
 07-1566

# Laboratory Results

Fax Number:  
 860-633-3330

Lab Sample Number	Client Sample Number	Collection Location	Concentration ppm (ug/g)	Narrative ID
19-09-00980-001	SOIL-10	B SIDE	1800	
19-09-00980-002	SOIL-11	C SIDE	9900	

Method: ASTM E-1979-17/EPA SW846 7000B

Accreditation #: CT PH-0234

Reviewed By Authorized Signatory:

*Melissa Kanode*

Missy Kanode

QA/QC Clerk

The Federal lead guidelines for lead in soil is 400 ug/g (ppm) in play areas, and 1200 ug/g (ppm) in bare soil in the remainder of the yard. The Reporting Limit (RL) is 10.0 ug Total Pb. All internal quality control requirements associated with this batch were met, unless otherwise noted.

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

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

LEGEND      ug = microgram      ppm = parts per million  
                   ug/g = micrograms per gram

Environmental Hazards Services, LLC  
 7469 White Pine Road  
 North Chesterfield, Virginia 23237  
 804-275-4788

19-09-00980



Due Date:  
 09/12/2019  
 (Thursday)  
 AE

EB

**CHAIN OF CUSTODY FORM**

Date: September 06, 2019  
 Company Name: CT Lead Paint Solutions, LLC  
 Address: 1245 Hebron Ave.  
 City, State, Zip: Glastonbury, CT 06033  
 Phone: 860-633-3330  
 Project Name: DaSilva Rehab  
 Project Address: 172 Laurel Hill Ave, Norwich, CT 06360  
 Project Number: 19-0260

E-mail to; [andrew@ctleadpaint.com](mailto:andrew@ctleadpaint.com)  
 Dates of Collections; September 03, 2019  
 Assessment Tests

Matrix	Method	Instrument	mdls	TAT
Lead in Soil	EPA846-7420	Flame Atomic Absorption	20mg/kg 20 ppm	three day

**Lead in Soil**

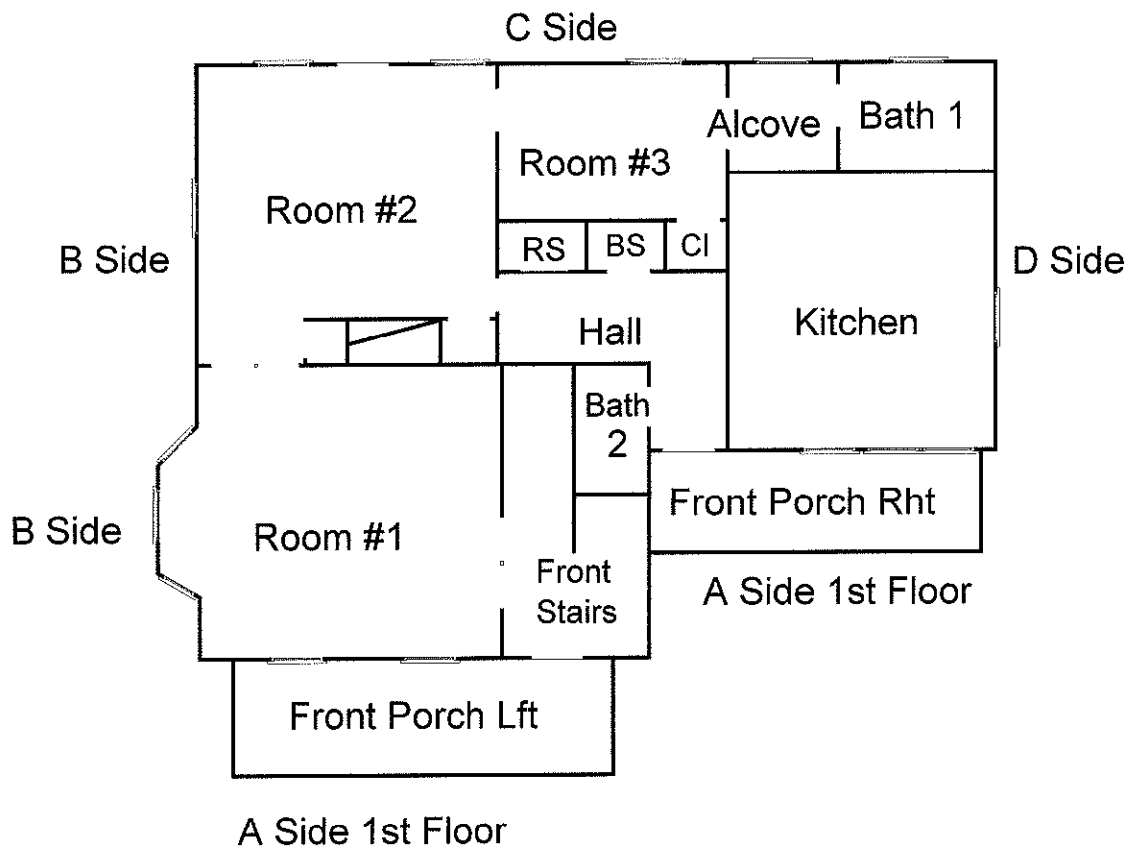
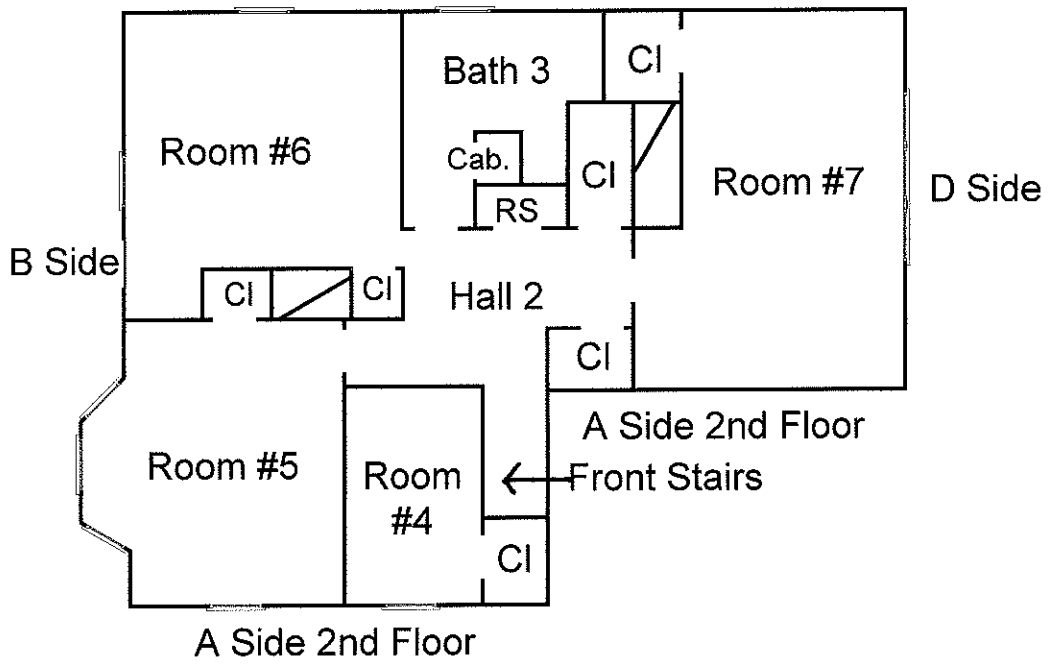
Sample #	Exterior Area	Location Sample	Comments	Lab notes
Soil - 10	Collected from bare soil with-in 1 foot of the house	B side	6 composite samples (sample includes many paint chips)	
Soil - 11	Collected from bare soil with-in 1 foot of the house and rear yard	C side	6 composite samples (sample includes many paint chips)	
		Lab, please mix sample		
Collected	Andrew Miller	Sign. <i>Andrew Miller</i>	Date: Sept. 03, 2019	
Mailed by	Andrew Miller	Sign. <i>Andrew Miller</i>	Date: Sept. 07, 2019	
Received by	<i>T Stone</i>	Sign. <i>T Stone</i>	Date: 9/9/19	

12:52pm

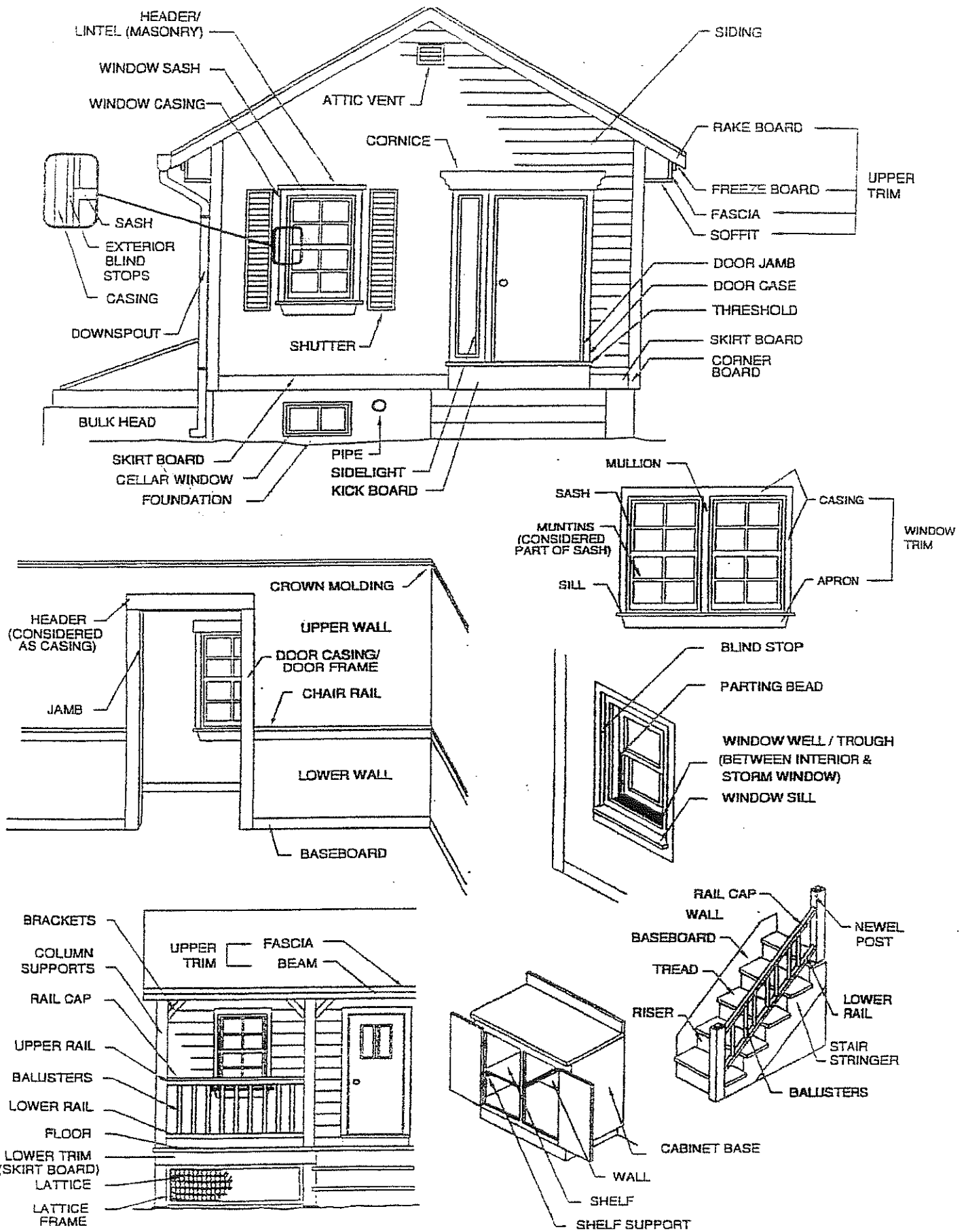
BS = Base. Stairs

RS = Rear Stairs

Cl = Closet



172 Laurel Hill Ave, Norwich, CT 06360





**Lead Abatement Plan  
for  
172 Laurel Hill Ave  
Norwich, CT 06360**

**A. Background Information**

This abatement plan was submitted on October 17, 2019.

Address of property to be abated;  
172 Laurel Hill Ave  
Norwich, CT 06360

This abatement plan was prepared by  
Planner/Project Designer; Andrew Miller  
Certificate #002129  
1245 Hebron Ave  
Glastonbury, CT 06033  
860-633-3330

The property was inspected by;  
Connecticut Lead Paint Solutions, LLC  
1245 Hebron Ave  
Glastonbury, CT 06033  
860-633-3330  
Lead Consultant License; #2124  
Lead Inspector/Risk Assessor; Andrew Miller  
Lead Inspector/Risk Assessor #002179  
Date of inspection was September 03 and October 08, 2019.

**B. Owner/Owner Agent Information**

The owners and agent of the house is;  
Lois Dasilva  
45 Rogers Ave  
Norwich, CT 06360  
603-219-5449

**C. Resident Information**

At the time of the inspection no children under the age of Six years resided in the dwelling. The occupants will be notified at least 5 days prior to starting any work. The house is vacant.

**D. Abatement Contractor Information**

The lead abatement contractor has not been selected yet. The Uncas Health Department will be notified when the selection has been made and before any work is started.

**E. Repairs Prior to Abatement**

No repair appear to be required prior to starting the abatement work.

**F. Abatement Techniques to be Used**

1. **Component Replacement.** Replace positive wood windows and doors with metal or vinyl replacement units, as needed.
2. **Liquid Encapsulation.** Remove all defective paint, feather out all edges, wet sand and wash surface, on both the interior and exterior. Prime as required and paint with an approved encapsulating paint. The encapsulating paint must contain Bitrex.

The abatement contractor and/or owner must have read and follow Encapsulating Guide book when using encapsulating paints. Follow procedures for testing existing surface to ensure proper adhesion. Document all testing results. Consult with Lead Planner Project Designer if any surfaces fails test and therefore is not acceptable for encapsulation. Follow all procedure on proper preparation of surfaces that are to be encapsulated. The Lead Planner Project Designer will require the abatement contractor, if any, to provide a written and signed statement that they have read and followed the Liquid Encapsulating Guide. The guide is available online at; [http://www.ct.gov/dph/lib/dph/environmental\\_health/lead/pdf/ec\\_guide.pdf](http://www.ct.gov/dph/lib/dph/environmental_health/lead/pdf/ec_guide.pdf).

The complete list of all areas and components to be abated, along with the methods to be used, is detailed on the attached abatement sheets.

**G. The Dates of the Abatement Project**

The estimated starting date of the abatement work is currently unknown. The Uncas Health Department will be notified 5 days prior to starting any abatement work.

**H. Notification To The Connecticut Historical Commission**

This house was built in or about 1900. The City of Norwich will notify the Connecticut Historical Commission, if required to do so

**I. Occupant Notification Procedure**

The owner or contractor will provide all tenants with the EPA guide titled; Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools.

Warning signs will be posted on all entrance doors of the building while abatement work is performed. These signs will be in English only.

## **J. Containment of the Work Area**

### Interior

Six mil plastic will cover the complete floor in the work areas and be taped completely to the baseboard prior to starting any work. After abatement work is complete, roll plastic inward so all paint chips and debris are sealed in the plastic, tape closed and place in 6 mil plastic bag and tape shut. HEPA vacuum work area after plastic is removed. Cover all heating duct vents, as needed.

### Exterior

Containment is required to collect all paint chips and dust that disturbed during the exterior abatement. All windows and entrance doors must be covered with plastic, until all surfaces on that side are prepared for painting and primed.

After the surface preparations and abatement are complete, un-tape the plastic from the adjacent surfaces and roll inward or collapse so all paint chips and debris are sealed in the plastic. Tape the rolled plastic closed with duct tape and dispose of in six mil plastic bag. Hepa vacuum any paint chips on the ground that were not captured by the plastic.

No person will enter or remain in a work area at any time during this project except the owner, or his agent, certified workers, enforcement officials, their designees, or the lead project/planner. People other than those listed above may enter the work area only after the area has been clean-up and vacuumed with a HEPA vacuum.

## **K. Cleaning After Lead-Based Paint Abatement**

Clean-up of the interior areas after the abatement work is completed will be as follows; remove the polyethylene plastic by un-taping from baseboards and rolling plastic inward, overlapping itself, wrap with tape after rolling up. Spray plastic surfaces with water bottle if plastic contains paint chips or loose debris. This will reduce dust movement. Put plastic into 6 mil plastic bags and tape shut.

HEPA vacuum all uncovered floor, window sills, window wells and all horizontal surfaces in work area. Wash all vacuumed surfaces with TSP or equivalent cleaner and rinsed with clean water. Avoid contaminating the washing solution by only using a clean paper towel or rag to wash surfaces. Discard all towels or rags after using just once. Hold towel/rag in a way that hands are never in contact with TSP solution. Carpeted floor will not be washed but HEPA vacuumed twice. HEPA vacuum wood or hard surface floors again after floors are dry.

Then after waiting 4 hours after active abatement has ceased the final clean-up can begin. For final clean-up, the abatement area is HEPA vacuumed, TSP washed and HEPA vacuumed again.

After 4 hours have passed after the clean-up of the abatement work, the areas will be ready for clearance testing.

**L. Waste Disposal**

All the waste plastic, window sashes and paint chips that have been removed will be wrapped in clean plastic and taped-up prior to being removed from the containment area. Disposal of all lead abatement waste will be in compliance with current all local and state regulations. If the owner elects to dispose of the debris himself, and the total amount of debris is 10 cubic yard or less, she will have an exemption from the waste disposal regulations. If it is anticipated that the amount of debris will be more than 10 cubic yards, consult with the Lead Planner Project Designer prior to any waste disposal.

**M. Worker Protection**

The owner, and any authorized visitor, without exception, will wear required protective clothing before entering any work area where active abatement is being performed but not yet completed and cleaned.

The worker protection will be as follows:

1. Workers will wear a full Tyvek suit (or equivalent).
2. Workers will wear booties when working in the containment area or on the containment plastic.
3. A half face respirator, NIOSH approved respirators, as required by Connecticut laws with an appropriate filter, (for lead dust) will be used when removing any window or door component.

No smoking, eating or drinking is to be done in the containment areas, and; the workers will wash hands at the end of working and before eating or drinking. Hand to Mouth activities are the easiest way for workers to be exposed to lead.

**N. Clearance Testing**

After the abatement work is complete and the areas have been cleaned up, a visual inspection will be performed and dust wipes samples will be collected in all rooms or areas where abatement work was performed. The visual inspection and the dust wipe samples will be done by the Uncas Health Department , Connecticut Lead Paint Solutions, LLC 1245 Hebron Ave, Glastonbury, CT 06033 860-633-3330 or another licensed lead consultant. Three dust wipe samples will be collected in each interior room or area where abatement was performed, one on a floor, one on a window interior sill and one on a window well in each room or area.

The clearance levels must be less than, as follows:

Floors	10ug/ft <sup>2</sup> (micrograms per square foot of surface)
Porch Floors	40ug/ft <sup>2</sup> (micrograms per square foot of surface)
Window Sills	100ug/ft <sup>2</sup> (micrograms per square foot of surface)
Windows Wells	100ug/ft <sup>2</sup> (micrograms per square foot of surface)

A final inspection will verify that all abatement work, as detailed in the abatement plan, has been completed, and that all of the clearance dust wipe tests results are under state action levels. Verify that all debris and construction materials removed from work areas. The letter of compliance shall then be issued by the Uncas Health Department.

## **Lead Management Plan**

A lead management plan will need to be written, explaining which areas still have lead-based paint, when and how they will be periodically monitored. The lead management plan must be sent to the Uncas Health Department for their approval. The lead management plan will also include all surfaces that have been prepared and painted with an approved encapsulating paint. This will ensure that all current and future owners of this building are aware that even though the existing lead paint is covered and abated according to regulations, there is still lead-based paint under the new encapsulating paint.

The management plan will be written after the abatement is completed, since some changes from this abatement plan may occur, due to field conditions. Any changes, however, must be approved by the Uncas Health Department.

Abatement Sheet for  
172 Laurel Ave  
Norwich, CT 06360

Room or Area	Component, number of components, Substrate	Location	Abatement Method	Comments
<b>1<sup>st</sup> Floor</b>				
Room #1	Window sills and casings, 5, wood (except for A side sills)	A and B sides	Prepare and encapsulate with an approved paint.	A side, sills are composite, do not paint
	Door jamb, 1, wood	D sides	Remove all paint from door jamb. Test with XRF to ensure that the new readings are now below regulatory limits.	The doors are neg. for LBP.
	Door casing, 1, wood	D side	Prepare and encapsulate with an approved paint.	
	Fireplace mantel and bracket, all wood	C side	Prepare and encapsulate with an approved paint.	
	Baseboards, all, wood	All sides	Prepare and encapsulate with an approved paint.	
Foyer	Doors and frames, all, wood	A side	Door treatment, see end of plan for details	
	Door casing and jamb, 1, wood	B side	Prepare and encapsulate with an approved paint.	Doors are neg. for LBP. Jamb is not an impact surface.
	Opening casing and jamb, 1	C side	Prepare and encapsulate	
	Baseboards and stair stringer, all	All sides	Prepare and encapsulate with an approved paint.	
	Ceiling trim all, wood	All sides	Prepare and encapsulate with an approved paint.	
Hall	Doors and frames, 2, wood	A and B	Door treatment	
	Door and frame, 1, wood	C side	Replace with a new metal pre-hung door unit	This basement door is damaged.
	Opening casings and jamb, 3	A, B and D sides	Prepare and encapsulate with an approved paint	
	Baseboards and corner trim	All sides	Prepare and encapsulate with an approved paint.	
	Transom lite, 1, wood	A side	Prepare and encapsulate with an approved paint.	
Bath 1	Door and door jamb 1, wood	D side	Door treatment	Door casing is neg. for LBP
	Window sill and casing, 1	B side	Prepare and encapsulate with an approved paint.	Window Sash is neg. for LBP, int. and ext.
	Baseboards, all	All sides	Prepare and encapsulate with an approved paint.	

**Lead Abatement Plan for 172 Laurel Hill Ave, Norwich, CT 06360**

<b>Room or Area</b>	<b>Component, number of components, Substrate</b>	<b>Location</b>	<b>Abatement Method</b>	<b>Comments</b>
Bath 1 (continued)	Ceiling, all plaster	All	Cover with ½ inch drywall, tape 3 coats and paint 2 coats	
Room #2	Window sills, casings and panels, 3, wood	B and C sides	Prepare and encapsulate with an approved paint.	
	Closet door and frame, 1	D side	Door treatment	On the side of fireplace
	Door and frame, 1, wood	D side	Door treatment	To Room 3
	Fireplace lower trim, 1	A side	Prepare and encapsulate with an approved paint.	Mantel is neg. for LBP
	Opening casing and jamb, 1, wood	D side	Prepare and encapsulate with an approved paint.	To Hall
Room #3	Window sill and casing, 12, wood	C side	Prepare and encapsulate with an approved paint.	
	Door and frame, 1, wood	B side	Door treatment	To Rm 2
	Closet door and frame, 1,	A side	Door Treatment	Include int. side of door
	Closet cleat, all, wood	A side	Prepare and encapsulate with an approved paint.	
	Closet shelf, 1, wood	A side	Replace with new	
	Baseboards, all, wood (includes closet base.)	All sides	Prepare and encapsulate with an approved paint.	
Front Stairs	Stair stringers and wall casings	All sides side	Prepare and encapsulate with an approved paint.	
	Stair risers, all, wood	All	Cover with vinyl risers	
Hall 2, 2 <sup>nd</sup> floor	Door and frames, 4, wood, include A side closet door	All sides	Door treatment	
	Closet Door, 1, wood	C side	Door treatment	Jamb is neg. for LBP
	Closet cleats and baseboards, 2, wood	A and C sides	Prepare and encapsulate with an approved paint.	
	Closet access door jamb, 1, wood	C side	Remove all paint from door jamb, test with XRF to ensure lead levels are below reg. limits	This access jamb is inside the C side closet. Access door is neg. for LBP.
	Baseboards, all, wood (includes closet base.)	All sides	Prepare and encapsulate with an approved paint.	
Room #4	Window sill and casing, 1	A side	Prepare and encapsulate	
	Closet door and frame, 1	D side	Door treatment	
	Baseboards, all, including in closet	All sides	Prepare and encapsulate	

Lead Abatement Plan for 172 Laurel Hill Ave, Norwich, CT 06360

Room or Area	Component, number of components, Substrate	Location	Abatement Method	Comments
Room #5	Window sills and casings, 4	A and B sides	Prepare and encapsulate with an approved paint.	Window sash are neg. for LBP
	Closet door and frames, 1	C side	Door Treatment	
	Closet cleats, all, wood	C side	Prepare and encapsulate with an approved paint.	
	Baseboards, all, including in closet	All sides	Prepare and encapsulate with an approved paint.	
Room #6	Window sills and casings, 2	B and C sides	Prepare and encapsulate with an approved paint.	
	Doors and frames, 2 (includes closet)	A and B sides	Door Treatment	
	Fireplace mantel and trim, all, wood	A side	Prepare and encapsulate with an approved paint.	
	Baseboards, all, including in closet	All sides	Prepare and encapsulate	
Room #7	Doors and frames, 2 (includes closet)	B sides	Door Treatment	
	Closet cleat, all, wood	Bside	Prepare and encapsulate with an approved paint.	
	Baseboards, all, including in closet	All sides	Prepare and encapsulate with an approved paint.	
Bath 3	Window sill and casing, 2	C side	Prepare and encapsulate with an approved paint.	
	Door and frame,	A side	Door Treatment	
	Attic cover trim, 1, wood	A side	Prepare and encapsulate with an approved paint.	
Rear Stairs	Door and frame, 1	A side	Replace with new pre-hung metal unit.	
	Stair tread and risers all	All	Cover with vinyl material. Must be mechanically fastened.	
<b>Exterior</b>	Door, 1, wood (right door)	A side	Door treatment	Door to hall, near Kit.
	Door jamb, 1, (right door)	A side	Prepare and encapsulate	Door to hall, near Kit
	<b>Note;</b> the double doors, jambs and threshold to the Foyer are negative for LBP on ext. surfaces			
	Foundation wall, all, brick	A, B, C	Prepare and encapsulate	
	Cellar window frames, 3	B and D	Prepare and encapsulate	
	Cellar window sash, 3	B and D	Replace with vinyl units	
	Doors and frames, 2, wood	C side	Replace with new pre-hung metal or fiberglass unit.	The basement, lower level doors



Lead Abatement Plan for 172 Laurel Ave, Norwich, CT 06360

Room or Area	Component, number of components, Substrate	Location	Abatement Method	Comments
Exterior	Window casing, 2, wood	C side, lwr level	Prepare and encapsulate with an approved paint.	Basement level
	Window sashes, 2, wood	C side	Replace with vinyl units	Basement level
Garage Ext.	Ext. siding, soffits and all trim	B, C and D	Repair all damaged siding and prepare and encapsulate	
<p><b>Note; Due to very poor containment during the owner's exterior painting work, the ground adjacent to the house is severely contaminated with paint chips. The owner will correct all paint chips that may have migrated into the neighbor's property, including all on the D side of the detached garage. The D side of the garage appears to be right on the property line.</b></p>				
Yard	Bare soil, all	All side	Hepa vacuum all visible paint chips, retest soil after all paint chips have been removed.	