LEAD RISK ASSESSMENT

Fremont Building
4146 Fremont Avenue N.
Minneapolis, MN

PREPARED FOR:
CPED

April 20, 2015

LEAD INSPECTION
AND RISK ASSESSMENT

Fremont Building
4146 Fremont Avenue N.
Minneapolis, MN 55412

Project Number: B15-015

April 20, 2015

Prepared for:

Mr. Abdulkadir Jama
612-673-5033
City of Minneapolis-Community Planning and Economic Development (CPED)
105 Fifth Avenue S. Suite 200
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Notice to Proceed: 002

Prepared by:

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1.0 INTRODUCTION

Vieau Associates LLC (Vieau) was retained by Mr. Abdulkadir Jama of the City of Minneapolis-CPED (612-673-5033), 105 Fifth Avenue S. Suite 200, Minneapolis, MN 55401 to inspect the building located at 4146 Fremont Avenue N. in Minneapolis, Minnesota for lead-based paint (LBP), and to conduct a lead risk assessment for the purpose of renovation. The testing was designed to integrate surface-by-surface lead based paint inspection, dust wipe samples and soil sampling to provide the client with comprehensive information on the extent and nature of lead based paint hazards, and options for the control of the identified hazards.

The project included the testing of interior and exterior painted and varnished surfaces at the site to determine the extent of lead based paint and soil in accordance with the U.S. Department of Housing and Urban Development (HUD) Guidelines. Tests were taken from random and unbiased locations of each testing surface.

The inspection of the property began on Tuesday, April 14, 2015 at 11:00 a.m. and was completed at 4:30 p.m.

On site testing was completed by EPA Accredited and Minnesota Licensed Lead Risk Assessor Chris Murphy (License No. LR2606) of Vieau Associates LLC, Lead Firm (LF3916), located at 4570 W. 77th Street Suite 265, Edina, MN 55435, phone number (952) 893-7931.

Samples were submitted to EMSL Analytical, Inc. for analysis on April 15, 2015. EMSL Analytical, Inc. is located at 14375 23rd Avenue North in Minneapolis, MN, 55447, phone number (763) 449-4922, Environmental Lead Proficiency Analytical Testing (ELPAT) Program number 163162.

2.0 SITE DESCRIPTION

The vacant building is a two-story wood and concrete structure with a concrete foundation and full basement. The building has a 7,000 sf. commercial space on the ground floor and four apartments on a partial 2nd floor totaling 2,000 sf. The date of construction was believed to be in 1926. The majority of the interior walls and ceilings are covered with plaster or sheetrock. All floors are carpet over wood, exposed wood, vinyl composite tile or concrete with ceramic tile in the bathrooms and landings. The first floor is split into two halves containing three smaller rooms and two larger rooms appearing to have been a food service provider. The second floor has four apartment units consisting of bedrooms, living rooms, kitchens and restrooms. The basement mirrors the first floor and is divided into two halves. There was no power in the building at the time of the site visit.

The exterior of the property consists of painted brick and natural brick façade and painted metal siding with painted trim components.

There were areas of bare soil identified along the rear portion of the property near the building.

3.0 TESTING PROCEDURES

3.1 Lead Inspection

Lead testing for this project was completed with X-Ray Fluorescence (XRF) utilizing a Niton XLP703A. XRF Serial Number 18381 was used in the testing of this property. This XRF has a Cadmium 109 source, which was installed on November 2, 2009. Vieau completed testing of painted and varnished surfaces by following the HUD Guidelines on Inspections in Single Family Housing (See Section IV of Chapter 7 of the HUD guidelines). Tests were taken at random locations from each testing surface.

The parameters that were set in place for lead-based paint testing of the property were comprised of an action level of 1.0 mg/cm². The XRF was set in the unlimited mode, which provides the greatest accuracy, decreasing the need for further paint chip analysis. The detection limit of the XRF is +/- 0.05 mg/cm² at maximum measurement time in the unlimited mode. Vieau completed daily calibration tests of the XRF as outlined by the manufacturer to ensure that the instrument was functioning properly. The results of the calibration test are located in Appendix B: XRF Individual Results.

If substrate interference and/or inconclusive results were to exist, a paint chip sample of the material would have been collected and sent to an approved laboratory to confirm any lead content utilizing Atomic Absorption (AA) analytical techniques.

During this investigation, any painted surfaces that were deteriorated (i.e. peeling, chipping, chalking and/or cracking) or appeared otherwise damaged or delaminated from their associated substrates were noted. Vieau also identified any friction and/or impact surfaces and the presence of any debris. Areas of deteriorated paint were classified as intact, fair or poor. The classification for each damage category used for this investigation is identified in Table 1: Categories of Deteriorated Paint.

3.1.1 Table 1. Categories of Deteriorated Paint

Table 1. Categories of Deteriorated Paint

	Final Paint Classification		
Component	**Intact**	**Fair**	**Poor**
Exterior components with large surface areas	Entire surface is intact	Less than or equal to 10 square feet of the component has deteriorated paint	Greater than 10 square feet of the component has deteriorated paint
Interior components with large surface areas	Entire surface is intact	Less than or equal to 2 square feet of the component has deteriorated paint	Greater than 2 square feet of the component has deteriorated paint
Interior and exterior components with small surface areas	Entire surface is intact	Less than or equal to 10 percent of the total surface area of the component has deteriorated paint	Greater than 10 percent of the total surface area of the component has deteriorated paint

3.2 Lead Risk Assessment

The Risk Assessment for this project involved dust wipe sample collection, a visual observation of the structure and a review of the lead-based paint collection data.

The building was found to be of 1920's construction. The building was unoccupied at the time of the Risk Assessment.

3.2.1 Visual Inspection

Vieau conducted a visual inspection of the painted and varnished surfaces on both the interior and exterior of the building. Vieau assessed the condition of the painted surfaces and noted any areas of damaged or deteriorated surfaces.

Vieau found the interior and exterior painted and varnished surfaces of the building to be in poor to intact condition.

The components tested that were determined to contain paint or varnish that exceeded the action level of 1.0 mg/cm^2 were found to be in poor to intact condition.

(See Appendix B: XRF Individual Results).

3.2.2 Sampling Plan

Based upon the location of lead-based paint and information gathered during the visual inspection, Vieau formulated the following sampling plan to identify potential lead hazards for this site.

A description of the sample locations are found in Appendix B: XRF Individual Results. For purposes of this inspection, the sampling sides are designated below:

Side A: East – facing alley.
Side B: South – facing adjacent commercial property.
Side C: West – facing Fremont Avenue
Side D: North – facing adjacent commercial property.

Specific building components determined to have a lead concentration above the action level (1.0 mg/cm^2) are listed below:

LOCATION	COMPONENT	Quantity
Interior, Basement Room 1 near Stairwell Side A & B	Painted CMU & Plaster Wall	72SF
Interior, Basement Room 2	Painted Wood Door (Green)	1 EA
Interior, Basement Room 3	Painted Wood Door Jamb (White)	2 EA
Interior, Basement Room 3	Painted Wood Window Sash	1 EA
Interior, Basement Room 4	Painted Wood Door & Jamb (White)	3 EA
Interior, First Floor Room 5	Painted Metal Ceiling Tiles, Crown Molding and Metal Wrapped Post.	1,440 SF 168 LF 1 EA
Interior, First Floor Room 7	Painted Wood Stair Treads and Riser & Door Jamb	120 SF 1 EA
Interior, Second Floor Room 1	Ceramic Tile Landing on 1st Floor	52 SF
Interior, Second Floor Room 1	Painted Wood Stairs and Stringer	160 SF
Interior, Second Floor 201 Room All	White Painted Plaster Walls	1,700 SF
Interior, Second Floor 201 Room 3	White Ceramic Wall Tile	30 SF
Interior, Second Floor 201 Rooms 4 & 5	White Painted Plaster Ceilings	160 SF
Interior, Second Floor 201	White/Pink Painted Wood Window Casing	5 EA

LOCATION	COMPONENT	Quantity
Rooms 3, 4, 5 & 6		
Interior, Second Floor 202 Room All	White/ Blue Painted Plaster Walls	1,400 SF
Interior, Second Floor 202 Room 7, 8 & 9	White/Pink Painted Wood Window Casing	6 EA
Interior, Second Floor 203 Room 10, 12 & 13	White Painted Plaster Walls	1,400 SF
Interior, Second Floor 203 Room 10	White Painted Plaster Ceiling	240 SF
Interior, Second Floor 203 Room 10, 11, 13 & 14	White/Pink Painted Wood Window Casing	6 EA
Interior, Second Floor 204 Room 15 Side B	White Painted Plaster Walls	100 SF
Interior, Second Floor 204 Room 15	White Painted Plaster Ceiling	150 SF
Interior, Second Floor 204 Room 17	Painted Wood Interior Closet Door Trim	1 EA
Interior, Second Floor 204 Room 18 Side D	White Painted Wood Closet Door Interior Trim & Baseboard	1 EA 14 LF
Interior, Second Floor 204 Room 19	Ceramic Wall	75 SF
Interior, Second Floor 204 Room 19	Painted Wood Door	1 EA
Interior, Second Floor 204 Room 20	Ceramic Tile Floor	16 SF
Exterior, Side A	Painted White Wood Window Casing	2 EA
Exterior, Side C	Painted White Wood Door Jamb	1 EA
Exterior, Side B & D	Painted Cream Metal & Brick Wall	2400 SF
Exterior, Side A	Painted Red Metal Wall	480 SF

Soil samples are only collected if areas of bare soil are identified. Areas of bare soil were observed during the site visit along the east side of the building. The Minnesota Department of Health (MDH) defines bare soil as an area containing greater than 36 contiguous square inches of bare soil. The EPA, MDH and HUD recommend permanent abatement of any soil that is found to contain lead in excess of 5,000 ppm, with interim controls utilized for soil with lead levels between 100 and 4,999 ppm.

SOIL SAMPLES			
Sample Number	**Location**	**Subsamples**	**Results (ppm)**
S-1	East Corner of Building	Side A	250

Detailed information and analytical results can be found in Appendix D: Lead in Soil Results.

Dust samples were collected from the second floor rooms 5, 8 & 17 window troughs and sills and the basement room 1, first floor rooms 4 & 5 and the second floor rooms 2, 5 & 18 floors. Samples W-1, W-2, W-3, W-4, W-5, W-7 & W-9 were above the HUD recommended levels for the surfaces sampled. Samples W-6 & W-8 were below the HUD recommended levels for the surfaces sampled.

LEAD WIPES			
Sample Number	**Location**	**µg/ft^2**	**System**
W-1	Second Floor Room 5	660,000	Trough
W-2	Second Floor Room 5	400	Floor
W-3	Second Floor Room 8 Sill	5,000	Sill
W-4	Second Floor Room 2 Floor	230	Floor
W-5	Second Floor Room 17 Sill	38,000	Sill
W-6	Second Floor Room 18 Floor	<10	Floor
W-7	First Floor Room 5 Floor	70	Floor
W-8	First Floor Room 4 Floor	14	Floor
W-9	Basement Room 1 Floor	490	Floor

MDH/HUD Standards:

Floor Surface	40µg/ft^2
Window Sill	250µg/ft^2
Window Well (Trough)	400µg/ft^2

4.0 RECOMMENDATIONS

Exterior, Soil

Bare Soil Northeast Corner: A sample collected in the northeast corner of the property near the building displayed lead concentrations above the recommended levels and therefore interim controls must be used. Examples of interim controls include the use of mulch or stone to cover the bare soil, blocking entry with a barrier that can not be removed or taken down like fencing or plywood. Items that would allow a child to reach into the area should not be used. ***Cost for Interim Controls-$500.00***

Exterior, Building

- Painted Exterior Metal Walls: The surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint or covering the walls with a non-lead containing material like vinyl, non-lead painted metal or wood followed by clearance testing. Monitoring of the condition of the walls would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the metal should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$13,300.00***

- Painted Door Jamb: The impact surface was found to be in poor condition and constitutes a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint followed by clearance testing or covering the jamb with a non-lead containing material. Monitoring of the condition of the door jamb would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the painted door jamb should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$200.00***

- Painted Window Casing: The friction surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint followed by clearance testing. Monitoring of the condition of the windows would need to be maintained on a quarterly basis until renovation occurs. If

renovation is to occur, the painted window systems should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$450.00***

Exterior Total-$13, 950.00

Basement

- Painted Masonry Walls: The surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint or covering the walls with a non-lead containing material like vinyl, non-lead painted metal or wood followed by clearance testing. Monitoring of the condition of the walls would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the paint should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$2,800.00***

- Painted Doors and Jambs: The impact surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint followed by clearance testing or covering the jamb with a non-lead containing material or removing the door. Monitoring of the condition of the door and jamb would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the painted door jamb should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$1,200.00***

- Painted Window Sash: The friction surface was found to be in poor condition and constitutes a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint followed by clearance testing. Monitoring of the condition of the window would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the painted window system should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$225.00***

Cleaning

- Due to lead in dust levels that exceeded the HUD/MDH standards in sample W9 the entire floor in room 1 is recommended to be cleaned following all remediation procedures. ***Cost of Cleaning-$1,000.00***

Basement Total-$5,225.00

First Floor

- Painted Metal Ceiling Tiles & Crown Molding: The surfaces were found to be in fair condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint or covering the ceiling with a non-lead containing material like vinyl, non-lead painted metal or wood followed by clearance testing. Monitoring of the condition of the ceiling would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the metal tiles and molding should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$5,628.00***

- Painted Metal Column Wrap: The surface was found to be in good condition and does not constitute a lead hazard. Interim controls to contain the painted material may be put in place which would consist of covering the column with a non-lead containing material like vinyl, non-lead painted metal or wood followed by clearance testing. Monitoring of the condition of the column would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the metal column wrap should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$500.00***

- Painted Wood Stair Treads & Risers: The impact surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint and covering the stair treads and risers with a non-lead containing material like vinyl, carpet/ runner or wood followed by clearance testing. Monitoring of the condition of the stairs would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the stairs should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$1,000.00***

- Painted Door Jamb: The impact surface was found to be in poor condition and constitutes a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint followed by clearance testing or covering the jamb with a non-lead containing material. Monitoring of the condition of the jamb would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the painted door jamb should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$150.00***

- Glazed Ceramic Floor Tile: The surface was found to be intact and considered encapsulated and therefore does not constitute a lead hazard. Before any renovation to the floor, the tile should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for Abatement-$416.00***

Cleaning

- Due to lead in dust levels that exceeded the HUD/MDH standards in sample W7 the entire floor in room 5 is recommended to be cleaned following all remediation procedures.

First Floor Total-$7,694.00

Second Floor

- Painted Wood Stair Treads, Risers & Stringers: The impact surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint and covering the stair treads and risers with a non-lead containing material like vinyl, carpet/ runner or wood followed by clearance testing. Monitoring of the condition of the stairs would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the stairs should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$1,000.00***

- Painted Plaster Walls: The surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint or covering the walls with a non-lead containing material like vinyl, non-lead painted metal or wood followed by clearance testing. Monitoring of the condition of the walls would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the paint should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$16,380.00 (Includes removing lead containing ceramic tile on the walls)***

- Painted Plaster Ceiling: The surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint or covering the ceilings with a non-lead containing material like vinyl, non-lead painted metal or wood followed by clearance testing. Monitoring of the condition of the ceilings would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the paint should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$1,925.00***

- Painted Window Casing: The friction surfaces were found to be in poor condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint followed by clearance testing or covering the window casing with non-lead containing material. Monitoring of the condition of the windows would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the painted window casing must be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$3,825.00***

- Painted Closet Door Interior Trim and Baseboard: The impact surfaces were found to be in fair condition and constitute a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint followed by clearance testing or covering the trim and baseboard with a non-lead containing material. Monitoring of the condition of the trim and baseboard would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the painted door trim and baseboard should be removed

by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$350.00***

- Painted Door: The friction surface was found to be in fair condition and constitutes a lead hazard. Interim controls may be put in place which would consist of scraping the peeling or chipping paint and stabilizing the remaining lead based paint with a non-lead based paint followed by clearance testing. Monitoring of the condition of the door would need to be maintained on a quarterly basis until renovation occurs. If renovation is to occur, the painted door should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for abatement-$150.00***

- Glazed Ceramic Floor Tile: The surface was found to be intact and considered encapsulated and therefore does not constitute a lead hazard. Before any renovation to the floor, the tile should be removed by a certified lead abatement contractor and clearance testing performed. ***Cost for Abatement-$128.00***

- Due to lead in dust levels that exceeded the HUD/MDH standards on samples W1, W2, W3, W4 and W5 post renovation cleaning is recommended following any remediation procedures suggested by this report. Clearance sampling is recommended following all cleaning. This cleaning would be part of typical post-remediation procedures.

Second Floor Total-$23,758.00

Note: All remediation must be completed by a lead abatement contractor following lead safe work practices following all State, County and Local regulations.

All building components around the building that are similar to confirmed lead containing building components are assumed to contain lead and assumed to be in the same condition as sampled items. Field verification is recommended as to Intact, Fair or Poor status of all lead containing components prior to renovation.

4.1 Cost Estimates

The following costs are associated with the removal of lead paint containing items. To be done by a Certified Lead Abatement Contractor:

- Door Frame/Trim - $150.00 each door
- Wall/Ceiling/Baseboard Removal - $3.50 per SF
- Window systems - $225.00 per window
- Lump Sum Costs-Based on contractor estimate.
- Abatement Oversight - $800.00 per day based on a 10 working day schedule.

Building Total Lead Abatement - ***$50,627.00***

This total is a good faith estimate based on square footages and per item contractor costs. Prices may change due to unforeseen circumstances and contractor costs.

5.0 DISCUSSION

The U.S. Department of Housing and Urban Development (HUD) and the Environmental Protection Agency (EPA) identify lead-based paint as any paint, varnish, shellac or other coating that contains lead in concentrations that are equal to or in excess of one milligram per square centimeter (1.0 mg/cm2), 0.5 % by weight or 5,000 parts per million (PPM). OSHA recognizes lead-based paint as paint that contains any detectable amount of lead. Although the use of lead in paint was banned in 1978 by the Consumer Product Safety Commission (CPSC), consumer paints can still contain up to 0.06 % lead by weight or 600 parts per million (PPM). Lead-based paints are still commonly used in many commercial applications.

OSHA requires the employer to conduct personal air monitoring during construction work where painted surfaces that contain detectable amounts of lead are impacted. OSHA defines construction work as work for the purposes of construction, alteration and/or repair (including repainting and decorating). The purpose of the exposure monitoring is to ensure that employees are not exposed to lead at concentrations that exceed the permissible exposure level (PEL) of fifty micrograms of lead per cubic meter of air ($50\mu g/m^3$) or the action level (AL) of thirty micrograms of lead per cubic meter of air ($30\mu g/m^3$) over an 8-hour period. Should the exposure exceed the AL or PEL over an 8-hour time period, the employer will be required to provide the employee with some or all of the following: appropriate respiratory protection, personal protective clothing, change areas, hand washing facilities, biological monitoring (blood sampling and analysis), and the proper training.

The Minnesota Pollution Control Agency (MPCA) regulates the disposal of hazardous materials. The MPCA has stated that components removed with intact LBP that is not delaminating from the substrate can be disposed of as general demolition debris. However, if the LBP is stripped from the components, or if it is delaminating from the substrate, the waste may be subject to hazardous waste rules such as a Toxicity Characteristics Leaching Procedure (TCLP).

Prior to any renovation or demolition activity, Vieau recommends that the dwelling or site is inspected for other hazardous materials. The purpose of this inspection is to identify any hazards that may be encountered during the planned renovation and demolition activities such as Asbestos, CFC's, Mercury, PCB's, and other miscellaneous and potentially hazardous materials.

6.0 STANDARD OF CARE

This report is intended for the sole use of those listed on the title page. This report may not be used or relied upon by any other party without written consent of Vieau Associates LLC. The scope of services performed in execution of the evaluation may not be appropriate to satisfy the needs of other users, and the use or re-use of this document or the finding, conclusions, or recommendations is at the risk of said user.

A copy of this report must be provided to new lessees (tenants) and purchasers of this property under Federal law (24 CFR part 35.88 and 40 CFR part 745.107) before they become obligated under a lease or sales contract. The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U. S. Environmental Protection Agency (EPA) and include standard warning language in their leases of sales contracts to ensure that parents have the information they need to protect their children from the lead based paint hazards.

The services performed by Vieau Associates LLC on this project have been conducted with that level of care and skill ordinarily exercised by reputable members of the profession, practicing in the same locality under similar budget and time constraints. No other warranty is expressed or implied.

We appreciate the opportunity to be of service to you on this project.

Prepared By:

VIEAU ASSOCIATES LLC

Chris Murphy
Project Manager
Lead Risk Assessor (LR2606)

Joe Conlan
Senior Reviewer
Lead Risk Assessor (LR4043)

APPENDIX A

XRF TABLE FORMAT EXPLANATION

XRF ANALYSIS SUMMARY TABLE KEY

Area: The area or floor where testing took place.

Location: The location or room where testing took place.

Description: Identifies the painted component and substrate that was tested.

Paint Condition: The condition of paint only (Intact, Fair, Poor).

Delimitation: Indicates a painted surface that has begun to separate from its associated substrate and has the potential to begin peeling, flaking, chalking and/or chipping.

Chalking: Indicates a painted surface that has begun to deteriorate into a dust.

Friction: Indicates a painted surface that is in an area that is subject to deterioration by friction and/or impact (ex. door and window components).

Debris: Indicates that at the time of the investigation debris (ex. paint chips) was present.

K-Shell mg/cm^2: Quantity of lead in milligrams per square centimeter (mg/cm^2) that was detected by X-Ray Fluorescence of the lead molecule.

Precision: Indicates the degree of accuracy based on the action level.

Lead Detected: YES = for lead content greater than or equal to 1.00 mg/cm^2.
ND = for lead content less than 1.00 mg/cm^2.

Comments: Indicates the extent or cause of paint damage or any other miscellaneous notes.

APPENDIX B

XRF INDIVIDUAL RESULTS

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
1	4/14/2015 8:20										3.63	0	cps	
2	4/14/2015 8:24		CALIBRATE							1.12	1.1	0.1	mg / cm ^2	Positive
3	4/14/2015 8:24		CALIBRATE							1.08	1	0.1	mg / cm ^2	Null
4	4/14/2015 8:25		CALIBRATE							1.1	1.1	0.1	mg / cm ^2	Positive
5	4/14/2015 8:25		CALIBRATE							1.05	1	0.1	mg / cm ^2	Null
6	4/14/2015 8:26		CALIBRATE							1.11	1.1	0.1	mg / cm ^2	Positive
7	4/14/2015 8:28	1	1	WALL		WOOD	A			1	0	0.02	mg / cm ^2	Negative
8	4/14/2015 8:29	1	1	WALL		VINYL	B		WHITE	1.28	0.01	0.03	mg / cm ^2	Negative
9	4/14/2015 8:29	1	1	WALL		VINYL	C		WHITE	1.34	0	0.02	mg / cm ^2	Negative
10	4/14/2015 8:29	1	1	WALL		VINYL	D		WHITE	1	0	0.02	mg / cm ^2	Negative
11	4/14/2015 8:30	1	1	CEILING	GRID	METAL	-	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
12	4/14/2015 8:31	1	1	FLOOR	TILE	MASONRY	-	INTACT	WHITE	2.78	0.03	0.11	mg / cm ^2	Negative
13	4/14/2015 8:33	1	1	PIPE		METAL	D	INTACT	WHITE	6.18	0.3	0.22	mg / cm ^2	Negative
14	4/14/2015 8:33	1	1	DOOR	JAMB	WOOD	C	FAIR	WHITE	1	0	0.02	mg / cm ^2	Negative
15	4/14/2015 8:35	1	1	DOOR	TRIM	WOOD	C	FAIR	WHITE	1	0	0.02	mg / cm ^2	Negative
16	4/14/2015 8:36	1	1	DOOR		WOOD	C	INTACT	TAN	1	0	0.02	mg / cm ^2	Negative
17	4/14/2015 8:38	1	2	WALL		DRYWALL	A	POOR	ORANGE	1	0	0.02	mg / cm ^2	Negative
18	4/14/2015 8:38	1	2	WALL		DRYWALL	B	POOR	ORANGE	1.01	0	0.02	mg / cm ^2	Null
19	4/14/2015 8:39	1	2	WALL		DRYWALL	C	POOR	ORANGE	1	0	0.02	mg / cm ^2	Negative
20	4/14/2015 8:39	1	2	WALL		DRYWALL	D	POOR	ORANGE	1	0	0.02	mg / cm ^2	Negative
21	4/14/2015 8:40	1	2	DOOR	JAMB	WOOD	C	FAIR	WHITE	1	0	0.02	mg / cm ^2	Negative
22	4/14/2015 8:41	1	2	DOOR		WOOD	C	FAIR	WHITE	1.4	0.01	0.03	mg / cm ^2	Negative
23	4/14/2015 8:41	1	2	FLOOR	STEP	WOOD	C	FAIR	BROWN	1	0	0.02	mg / cm ^2	Negative
24	4/14/2015 8:44	1	3	WALL	STEP	PLASTER	A	FAIR	WHITE	1	0	0.02	mg / cm ^2	Negative
25	4/14/2015 8:44	1	3	WALL	STEP	PLASTER	B	FAIR	WHITE	1	0	0.02	mg / cm ^2	Negative
26	4/14/2015 8:45	1	3	WALL	STEP	DRYWALL	C	FAIR	ORANGE	1	0	0.02	mg / cm ^2	Negative
27	4/14/2015 8:45	1	3	WALL	STEP	DRYWALL	D	FAIR	ORANGE	1	0	0.02	mg / cm ^2	Null
28	4/14/2015 8:46	1	3	FLOOR	TILE	MASONRY	-	FAIR	WHITE	2.2	0.03	0.08	mg / cm ^2	Negative
29	4/14/2015 8:48	1	4	WALL		VINYL	A	INTACT	WHITE	1.41	0	0.02	mg / cm ^2	Null
30	4/14/2015 8:49	1	4	WALL		DRYWALL	B	INTACT	WHITE	1	0	0.02	mg / cm ^2	Null
31	4/14/2015 8:49	1	4	WALL		DRYWALL	B	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
32	4/14/2015 8:49	1	4	WALL		WOOD	C	INTACT	WHITE	2.56	0.14	0.2	mg / cm ^2	Negative
33	4/14/2015 8:50	1	4	WALL		DRYWALL	D	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
34	4/14/2015 8:51	1	4	FLOOR	TILE	MASONRY	-	INTACT	BROWN	1	0	0.02	mg / cm ^2	Null
35	4/14/2015 8:51	1	4	FLOOR	TILE	MASONRY	-	INTACT	BROWN	1.62	0.01	0.02	mg / cm ^2	Negative
36	4/14/2015 8:52	1	4	RAILING	TRIM	WOOD	B	INTACT	TAN	1	0	0.02	mg / cm ^2	Negative
37	4/14/2015 8:53	1	4	DOOR	DOOR	METAL	B	INTACT	RED	5.68	0.13	0.36	mg / cm ^2	Negative
38	4/14/2015 8:54	1	4	DOOR	TRIM	METAL	A	POOR	PINK	10	0.15	0.37	mg / cm ^2	Null
39	4/14/2015 8:54	1	4	DOOR	TRIM	METAL	A	POOR	PINK	3.29	0.03	0.1	mg / cm ^2	Negative
40	4/14/2015 8:55	1	4	DOOR	JAMB	METAL	A	POOR	GRAY	1	0	0.02	mg / cm ^2	Negative
41	4/14/2015 8:56	1	4	WINDOW	SILL	WOOD	C	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
42	4/14/2015 8:58	1	5	WALL	WALL	PLASTER	A	FAIR	WHITE	4.56	0.07	0.08	mg / cm ^2	Negative
43	4/14/2015 8:59	1	5	WALL	WALL	PLASTER	B	FAIR	WHITE	5.65	0.09	0.19	mg / cm ^2	Negative
44	4/14/2015 8:59	1	5	WALL	WALL	DRYWALL	B	FAIR	WHITE	1	0	0.02	mg / cm ^2	Negative
45	4/14/2015 8:59	1	5	WALL	WALL	PLASTER	C	POOR	WHITE	4.05	0.02	0.06	mg / cm ^2	Null
46	4/14/2015 9:00	1	5	WALL	WALL	PLASTER	C	POOR	WHITE	1	0	0.02	mg / cm ^2	Null
47	4/14/2015 9:00	1	5	WALL	WALL	PLASTER	C	POOR	WHITE	2.47	0.01	0.02	mg / cm ^2	Negative
48	4/14/2015 9:01	1	5	WALL	WALL	DRYWALL	D	INTACT	WHITE	1	0	0.02	mg / cm ^2	Null
49	4/14/2015 9:01	1	5	WALL	WALL	PLASTER	D	INTACT	WHITE	1	0	0.02	mg / cm ^2	Null
50	4/14/2015 9:03	1	5	CEILING	TILE	METAL	-	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
51	4/14/2015 9:04	1	5	BASEBOARD		WOOD	B	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
52	4/14/2015 9:04	1	5	PIPE		METAL	B	INTACT	WHITE	1.73	0.02	0.06	mg / cm ^2	Negative
53	4/14/2015 9:04	1	5	TRIM		WOOD	C	INTACT	WHITE	2.08	0.18	0.18	mg / cm ^2	Negative
54	4/14/2015 9:05	1	5	CROWN		WOOD	D	INTACT	WHITE	3.32	0.9	0.6	mg / cm ^2	Null
55	4/14/2015 9:05	1	5	CROWN		WOOD	D	INTACT	WHITE	2.62	0.2	0.22	mg / cm ^2	Negative
56	4/14/2015 9:06	1	5	DOOR	JAMB	WOOD	C	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
57	4/14/2015 9:06	1	5	DOOR	TRIM	WOOD	C	INTACT	WHITE	2.69	0.8	0.2	mg / cm ^2	Negative
58	4/14/2015 9:06	1	5	DOOR	DOOR	WOOD	C	INTACT	WHITE	2.07	0.7	0.2	mg / cm ^2	Negative
59	4/14/2015 9:07	1	5	WINDOW	CASING	METAL	C	INTACT	WHITE	1.54	0.12	0.14	mg / cm ^2	Negative
60	4/14/2015 9:07	1	5	WINDOW	JAMB	METAL	C	INTACT	WHITE	2.69	0.4	0.4	mg / cm ^2	Negative
61	4/14/2015 9:08	1	5		POST	WOOD	B	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
62	4/14/2015 9:09	1	5		POST	METAL	B	INTACT	WHITE	2.7	9.9	4.1	mg / cm ^2	Positive
63	4/14/2015 9:09	1	5		POST	METAL	B	INTACT	WHITE	2.03	5.3	3.1	mg / cm ^2	Positive
64	4/14/2015 9:14	1	5	CEILING	TILE	METAL	-	POOR	WHITE	2.73	3.6	2	mg / cm ^2	Positive
65	4/14/2015 9:14	1	5	CROWN	TILE	METAL	-	POOR	WHITE	7.07	3.3	0.9	mg / cm ^2	Positive
66	4/14/2015 9:20	1	5	WINDOW	TRIM	METAL	A	POOR	WHITE	4.08	0.15	0.24	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
67	4/14/2015 9:20	1	5	WINDOW	SILL	METAL	A	POOR	WHITE	2.11	0.1	0.14	mg / cm ^2	Negative
68	4/14/2015 9:21	1	5	WALL	TRIM	METAL	B	POOR	BLUE	1	0	0.02	mg / cm ^2	Negative
69	4/14/2015 9:22	1	5	DOOR	TRIM	METAL	A	POOR	WHITE	1	0	0.02	mg / cm ^2	Null
70	4/14/2015 9:22	1	5	DOOR	TRIM	WOOD	A	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
71	4/14/2015 9:22	1	5	DOOR	DOOR	WOOD	A	POOR	WHITE	2.07	0.06	0.1	mg / cm ^2	Negative
72	4/14/2015 9:24	1	6	DOOR		WOOD	D	POOR	BROWN	1.04	0.06	0.06	mg / cm ^2	Negative
73	4/14/2015 9:25	1	6	DOOR		WOOD	B	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
74	4/14/2015 9:25	1	6	WALL		PLASTER	A	INTACT	WHITE	2.86	0.3	0.23	mg / cm ^2	Null
75	4/14/2015 9:25	1	6	WALL		PLASTER	A	INTACT	WHITE	2.46	0.19	0.08	mg / cm ^2	Negative
76	4/14/2015 9:26	1	6	WALL		PLASTER	B	INTACT	WHITE	2.17	0.24	0.09	mg / cm ^2	Negative
77	4/14/2015 9:26	1	6	WALL		PLASTER	C	INTACT	WHITE	2.58	0.4	0.1	mg / cm ^2	Negative
78	4/14/2015 9:26	1	6	WALL		PLASTER	D	INTACT	WHITE	2.94	0.2	0.1	mg / cm ^2	Negative
79	4/14/2015 9:27	1	6	STAIRS	RAIL	METAL	D	INTACT	WHITE	1	0.01	0.02	mg / cm ^2	Negative
80	4/14/2015 9:27	1	6	PIPE		METAL	B	INTACT	WHITE	1.86	0.11	0.14	mg / cm ^2	Negative
81	4/14/2015 9:32	BASEMENT	1	WALL		MASONRY	A	POOR	WHITE	4.03	1.5	0.4	mg / cm ^2	Positive
82	4/14/2015 9:33	BASEMENT	1	WALL		MASONRY	A	POOR	WHITE	2.35	0.7	0.1	mg / cm ^2	Negative
83	4/14/2015 9:33	BASEMENT	1	WALL		MASONRY	A	POOR	WHITE	5.12	2.2	1	mg / cm ^2	Positive
84	4/14/2015 9:34	BASEMENT	1	WALL		PLASTER	B	POOR	WHITE	2.15	1.2	0.2	mg / cm ^2	Positive
85	4/14/2015 9:34	BASEMENT	1	WALL		PLASTER	B	POOR	WHITE	1.88	1.3	0.2	mg / cm ^2	Positive
86	4/14/2015 9:35	BASEMENT	1	WALL		PLASTER	B	POOR	WHITE	2.2	2	0.6	mg / cm ^2	Positive
87	4/14/2015 9:36	BASEMENT	1	WALL		DRYWALL	B	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
88	4/14/2015 9:37	BASEMENT	1	WALL		MASONRY	C	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
89	4/14/2015 9:37	BASEMENT	1	WALL		MASONRY	C	POOR	WHITE	7.57	0.06	0.09	mg / cm ^2	Negative
90	4/14/2015 9:38	BASEMENT	1	WALL		MASONRY	D	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
91	4/14/2015 9:38	BASEMENT	1	CEILING		PLASTER	-	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
92	4/14/2015 9:39	BASEMENT	1	FLOOR		CONCRETE	-	POOR	GRAY	2.32	0.02	0.06	mg / cm ^2	Null
93	4/14/2015 9:39	BASEMENT	1	FLOOR		CONCRETE	-	POOR	GRAY	1	0	0.02	mg / cm ^2	Negative
94	4/14/2015 9:40	BASEMENT	1	WALL		CONCRETE	A	POOR	WHITE	2.52	0.01	0.02	mg / cm ^2	Negative
95	4/14/2015 9:40	BASEMENT	1	WALL		WOOD	B	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
96	4/14/2015 9:41	BASEMENT	1	POST		WOOD	-	POOR	WHITE	1.36	0.03	0.05	mg / cm ^2	Negative
97	4/14/2015 9:42	BASEMENT	1	BEAM		WOOD	-	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
98	4/14/2015 9:43	BASEMENT	1	POST		WOOD	B	POOR	ORANGE	1	0	0.02	mg / cm ^2	Negative
99	4/14/2015 9:44	BASEMENT	1	WALL	STAIR	PLASTER	D	POOR	WHITE	1.68	0.01	0.02	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
100	4/14/2015 9:44	BASEMENT	1	DOOR		WOOD	A	POOR	WHITE	1	0.1	0.09	mg / cm ^2	Negative
101	4/14/2015 9:46	BASEMENT	2	WALL		MASONRY	A	POOR	WHITE	1.36	0	0.02	mg / cm ^2	Null
102	4/14/2015 9:46	BASEMENT	2	WALL		MASONRY	B	POOR	WHITE	1	0	0.02	mg / cm ^2	Null
103	4/14/2015 9:46	BASEMENT	2	WALL		MASONRY	B	POOR	WHITE	1.54	0	0.02	mg / cm ^2	Negative
104	4/14/2015 9:47	BASEMENT	2	WALL		PLASTER	C	POOR	WHITE	2.67	0.21	0.17	mg / cm ^2	Negative
105	4/14/2015 9:47	BASEMENT	2	CEILING		PLASTER	-	POOR	WHITE	2.25	0.15	0.12	mg / cm ^2	Null
106	4/14/2015 9:48	BASEMENT	2	CEILING		PLASTER	-	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
107	4/14/2015 9:48	BASEMENT	2	FLOOR		CONCRETE	-	POOR	GRAY	1.89	0.04	0.03	mg / cm ^2	Negative
108	4/14/2015 9:49	BASEMENT	2	DOOR		WOOD	D	POOR	GREEN	2.14	4.7	3	mg / cm ^2	Positive
109	4/14/2015 9:49	BASEMENT	2	DOOR		WOOD	D	POOR	GREEN	1.74	5.7	3.1	mg / cm ^2	Positive
110	4/14/2015 9:49	BASEMENT	2	DOOR		WOOD	D	POOR	GREEN	2.37	7	5.4	mg / cm ^2	Positive
111	4/14/2015 9:53	BASEMENT	3	WALL		MASONRY	A	POOR	WHITE	2.48	0.8	0.2	mg / cm ^2	Negative
112	4/14/2015 9:54	BASEMENT	3	WALL		PLASTER	B	POOR	WHITE	1.49	0.02	0.04	mg / cm ^2	Negative
113	4/14/2015 9:54	BASEMENT	3	WALL		DRYWALL	C	POOR	WHITE	2.13	0.8	0.2	mg / cm ^2	Negative
114	4/14/2015 9:54	BASEMENT	3	WALL		PLASTER	D	POOR	WHITE	2.02	0.7	0.1	mg / cm ^2	Negative
115	4/14/2015 9:55	BASEMENT	3	WALL		MASONRY	D	POOR	WHITE	3.36	0.1	0.08	mg / cm ^2	Negative
116	4/14/2015 9:55	BASEMENT	3	CEILING		PLASTER	-	POOR	WHITE	1.83	0.04	0.08	mg / cm ^2	Null
117	4/14/2015 9:56	BASEMENT	3	CEILING		PLASTER	-	POOR	WHITE	3.7	-0.4	0.89	mg / cm ^2	Negative
118	4/14/2015 9:56	BASEMENT	3	FLOOR		CONCRETE	-	POOR	GRAY	2.25	0.05	0.04	mg / cm ^2	Negative
119	4/14/2015 9:57	BASEMENT	3	WINDOW	SASH	WOOD	A	POOR	WHITE	3.38	6	3.1	mg / cm ^2	Positive
120	4/14/2015 9:58	BASEMENT	3	DOOR	JAMB	WOOD	D	POOR	WHITE	2.08	4.7	1.5	mg / cm ^2	Positive
121	4/14/2015 10:01	BASEMENT	4	WALL		MASONRY	A	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
122	4/14/2015 10:01	BASEMENT	4	WALL		MASONRY	B	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
123	4/14/2015 10:01	BASEMENT	4	WALL		WOOD	C	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
124	4/14/2015 10:01	BASEMENT	4	WALL		WOOD	D	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
125	4/14/2015 10:02	BASEMENT	4	CEILING		PLASTER	-	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
126	4/14/2015 10:03	BASEMENT	4	FLOOR		CONCRETE	-	POOR	GRAY	1	0.01	0.02	mg / cm ^2	Negative
127	4/14/2015 10:04	BASEMENT	4	WINDOW	WELL	METAL	A	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
128	4/14/2015 10:04	BASEMENT	4	SHELF		WOOD	C	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
129	4/14/2015 10:05	BASEMENT	4	DOOR	JAMB	WOOD	D	POOR	WHITE	1.3	4.3	1.7	mg / cm ^2	Positive
130	4/14/2015 10:06	BASEMENT	4	DOOR	JAMB	WOOD	D	POOR	WHITE	1.26	0.01	0.03	mg / cm ^2	Negative
131	4/14/2015 10:06	BASEMENT	4	DOOR		WOOD	D	POOR	WHITE	1.57	2.3	0.7	mg / cm ^2	Positive
132	4/14/2015 10:08	BASEMENT	5	WALL		DRYWALL	A	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
133	4/14/2015 10:08	BASEMENT	5	WALL		DRYWALL	B	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
134	4/14/2015 10:09	BASEMENT	5	WALL		WOOD	B	POOR	BROWN	1	0	0.02	mg / cm ^2	Negative
135	4/14/2015 10:10	BASEMENT	5	WALL		DRYWALL	C	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
136	4/14/2015 10:10	BASEMENT	5	WALL		DRYWALL	D	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
137	4/14/2015 10:11	BASEMENT	5	CEILING		PLASTER	-	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
138	4/14/2015 10:11	BASEMENT	5	FLOOR		CONCRETE	-	POOR	GRAY	1	0	0.02	mg / cm ^2	Negative
139	4/14/2015 10:11	BASEMENT	5	POST		WOOD	-	POOR	GRAY	1	0	0.02	mg / cm ^2	Negative
140	4/14/2015 10:12	BASEMENT	5	BEAM		WOOD	-	POOR	GRAY	1	0	0.02	mg / cm ^2	Negative
141	4/14/2015 10:12	BASEMENT	5	DOOR		WOOD	C	POOR	BROWN	1	0	0.02	mg / cm ^2	Negative
142	4/14/2015 10:12	BASEMENT	5	DOOR		WOOD	C	POOR	BROWN	1	0	0.02	mg / cm ^2	Negative
143	4/14/2015 10:14	1	7	WALL		PLASTER	A	POOR	WHITE	3.95	0.22	0.28	mg / cm ^2	Negative
144	4/14/2015 10:14	1	7	WALL		PLASTER	B	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
145	4/14/2015 10:14	1	7	WALL		PLASTER	C	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
146	4/14/2015 10:15	1	7	WALL		PLASTER	D	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
147	4/14/2015 10:15	1	7	STAIRS		WOOD	-	POOR	GREEN	2.67	4.9	3.1	mg / cm ^2	Positive
148	4/14/2015 10:16	1	7	DOOR	JAMB	WOOD	C	POOR	WHITE	2.89	8.1	3.3	mg / cm ^2	Positive
149	4/14/2015 10:18	1	7	WALL	TRIM	WOOD	D	POOR	WHITE	1.58	0.09	0.33	mg / cm ^2	Null
150	4/14/2015 10:18	1	7	WALL	TRIM	WOOD	D	POOR	WHITE	1.52	0.08	0.29	mg / cm ^2	Null
151	4/14/2015 10:18	1	7	WALL	TRIM	WOOD	D	POOR	WHITE	1.3	0.06	0.09	mg / cm ^2	Negative
152	4/14/2015 10:18	1	7	DOOR	HEADER	WOOD	C	POOR	WHITE	3.11	0.15	0.21	mg / cm ^2	Negative
153	4/14/2015 10:19	1	7	DOOR		WOOD	B	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
154	4/14/2015 10:19	1	7	DOOR	JAMB	WOOD	B	POOR	WHITE	2.7	0.01	0.05	mg / cm ^2	Negative
155	4/14/2015 10:20	1	7	BASEBOARD		WOOD	D	POOR	WHITE	1.97	0.13	0.17	mg / cm ^2	Negative
156	4/14/2015 10:20	1	7	STAIRS	RAIL	WOOD	B	POOR	WHITE	1.18	0.22	0.15	mg / cm ^2	Negative
157	4/14/2015 10:24	2	1	WALL		PLASTER	A	POOR	WHITE	5.92	0.08	0.09	mg / cm ^2	Negative
158	4/14/2015 10:24	2	1	WALL		PLASTER	B	POOR	WHITE	1.23	0.01	0.02	mg / cm ^2	Negative
159	4/14/2015 10:25	2	1	WALL		PLASTER	D	POOR	GREEN	2.01	0.02	0.05	mg / cm ^2	Negative
160	4/14/2015 10:25	2	1	CEILING		PLASTER	-	POOR	WHITE	4.25	0.07	0.14	mg / cm ^2	Negative
161	4/14/2015 10:25	2	1	FLOOR		CERAMIC	-	POOR	GRAY	1.53	2	0.5	mg / cm ^2	Positive
162	4/14/2015 10:26	2	1	FLOOR		CERAMIC	-	POOR	GRAY	1.77	2.4	0.7	mg / cm ^2	Positive
163	4/14/2015 10:26	2	1	BASEBOARD		WOOD	D	POOR	BROWN	1.56	0.5	0.3	mg / cm ^2	Negative
164	4/14/2015 10:27	2	1	DOOR		WOOD	A	POOR	BLUE	1.56	0.9	0.1	mg / cm ^2	Null
165	4/14/2015 10:27	2	1	DOOR		WOOD	A	POOR	BLUE	1.58	0.8	0.1	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
166	4/14/2015 10:28	2	1	DOOR TRIM		WOOD	A	POOR	BLUE	1	0.03	0.06	mg / cm ^2	Negative
167	4/14/2015 10:28	2	1	DOOR TRIM		WOOD	D	POOR	BLUE	1.15	0.03	0.05	mg / cm ^2	Negative
168	4/14/2015 10:29	2	1	STAIRS	TREAD	WOOD	C	POOR	BLUE	10	4.8	2.6	mg / cm ^2	Positive
169	4/14/2015 10:30	2	1	STAIRS	STRINGER	WOOD	D	POOR	BROWN	2.05	4.5	2.8	mg / cm ^2	Positive
170	4/14/2015 10:31	2	1	STAIRS	RAIL	WOOD	D	POOR	WHITE	1.52	0.04	0.07	mg / cm ^2	Negative
171	4/14/2015 10:45	2	2	WALL		PLASTER	B	POOR	WHITE	2.49	0.01	0.05	mg / cm ^2	Negative
172	4/14/2015 10:45	2	2	WALL		PLASTER	C	POOR	WHITE	5.65	0.09	0.19	mg / cm ^2	Null
173	4/14/2015 10:45	2	2	WALL		PLASTER	D	POOR	WHITE	2.51	0.09	0.11	mg / cm ^2	Negative
174	4/14/2015 10:46	2	2	CEILING		PLASTER	-	POOR	WHITE	3.13	0.01	0.04	mg / cm ^2	Negative
175	4/14/2015 10:46	2	2	BASEBOARD		WOOD	D	POOR	BROWN	1	0.01	0.02	mg / cm ^2	Negative
176	4/14/2015 10:46	2	2	DOOR	JAMB	WOOD	-	POOR	BROWN	1	0.02	0.05	mg / cm ^2	Negative
177	4/14/2015 10:49	2 201	3	WALL		PLASTER	A	INTACT	WHITE	10	10.7	4.1	mg / cm ^2	Positive
178	4/14/2015 10:49	2 201	3	WALL		PLASTER	A	INTACT	WHITE	10	20.3	6.6	mg / cm ^2	Positive
179	4/14/2015 10:49	2 201	3	WALL		PLASTER	B	INTACT	WHITE	10	9.8	4.1	mg / cm ^2	Positive
180	4/14/2015 10:50	2 201	3	WALL		PLASTER	C	INTACT	WHITE	1	0	0.02	mg / cm ^2	Null
181	4/14/2015 10:50	2 201	3	WALL		PLASTER	C	INTACT	WHITE	7.51	0.06	0.21	mg / cm ^2	Null
182	4/14/2015 10:50	2 201	3	WALL		PLASTER	C	INTACT	WHITE	5.1	0.03	0.1	mg / cm ^2	Negative
183	4/14/2015 10:50	2 201	3	WALL		PLASTER	C	INTACT	WHITE	10	10.3	7.3	mg / cm ^2	Positive
184	4/14/2015 10:51	2 201	3	WALL		PLASTER	D	POOR	WHITE	10	13.1	5.2	mg / cm ^2	Positive
185	4/14/2015 10:53	2 201	3	CEILING		PLASTER	-	INTACT	WHITE	5.72	0.11	0.52	mg / cm ^2	Null
186	4/14/2015 10:54	2 201	3	CEILING		PLASTER	-	INTACT	WHITE	9.38	-0	0.81	mg / cm ^2	Negative
187	4/14/2015 10:54	2 201	3	FLOOR		WOOD	-	INTACT	TAN	1.48	0.04	0.08	mg / cm ^2	Negative
188	4/14/2015 10:55	2 201	3	FLOOR		MASONRY	-	INTACT	WHITE	1.52	0.02	0.06	mg / cm ^2	Negative
189	4/14/2015 10:55	2 201	3	BASEBOARD		WOOD	C	INTACT	WHITE	1.38	0.01	0.05	mg / cm ^2	Negative
190	4/14/2015 10:55	2 201	3	BASEBOARD		WOOD	B	INTACT	BROWN	1	0	0.02	mg / cm ^2	Negative
191	4/14/2015 10:56	2 201	3	CABINET		WOOD	A	INTACT	TAN	1	0	0.02	mg / cm ^2	Negative
192	4/14/2015 10:56	2 201	3	WALL	TILE	CERAMIC	A	INTACT	WHITE	1.83	1.7	0.6	mg / cm ^2	Positive
193	4/14/2015 10:57	2 201	3	WINDOW	SASH	MASONRY	D	INTACT	WHITE	3.75	0.05	0.14	mg / cm ^2	Negative
194	4/14/2015 10:57	2 201	3	WINDOW	SILL	MASONRY	D	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
195	4/14/2015 10:57	2 201	3	WINDOW	JAMB	MASONRY	D	INTACT	WHITE	3.62	0.06	0.15	mg / cm ^2	Negative
196	4/14/2015 10:58	2 201	3	DOOR		WOOD	B	INTACT	TAN	1	0	0.02	mg / cm ^2	Negative
197	4/14/2015 10:58	2 201	3	DOOR	TRIM	WOOD	B	INTACT	BROWN	1.27	0.03	0.07	mg / cm ^2	Negative
198	4/14/2015 10:59	2 201	3	DOOR	TRIM	WOOD	A	INTACT	RED	7.31	0.05	0.19	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
199	4/14/2015 11:00	2 201	4	WALL		PLASTER	A	INTACT	WHITE	10	6.9	3	mg / cm ^2	Positive
200	4/14/2015 11:00	2 201	4	WALL		MASONRY	B	INTACT	TAN	1.54	2	0.5	mg / cm ^2	Positive
201	4/14/2015 11:01	2 201	4	WALL		PLASTER	C	INTACT	WHITE	10	9.4	4.3	mg / cm ^2	Positive
202	4/14/2015 11:01	2 201	4	WALL		PLASTER	D	INTACT	WHITE	10	5.5	3.1	mg / cm ^2	Positive
203	4/14/2015 11:01	2 201	4	CEILING		PLASTER	-	INTACT	WHITE	10	7.6	3.4	mg / cm ^2	Positive
204	4/14/2015 11:02	2 201	4	WINDOW	SASH	WOOD	D	INTACT	WHITE	4.6	0.7	0.3	mg / cm ^2	Negative
205	4/14/2015 11:02	2 201	4	WINDOW	CASING	WOOD	D	INTACT	WHITE	8.73	0.7	0.2	mg / cm ^2	Null
206	4/14/2015 11:03	2 201	4	WINDOW	CASING	WOOD	D	INTACT	WHITE	5.75	0.8	0.2	mg / cm ^2	Negative
207	4/14/2015 11:03	2 201	4	WINDOW	CASING	WOOD	D	INTACT	WHITE	7.57	0.5	0.3	mg / cm ^2	Negative
208	4/14/2015 11:03	2 201	4	DOOR		WOOD	C	INTACT	WHITE	4.69	0.11	0.21	mg / cm ^2	Negative
209	4/14/2015 11:04	2 201	4	FLOOR	SMALL TILE	MASONRY	-	INTACT	WHITE	1.77	0.01	0.04	mg / cm ^2	Null
210	4/14/2015 11:04	2 201	4	FLOOR	SMALL TILE	MASONRY	-	INTACT	WHITE	10	-0.4	0.79	mg / cm ^2	Negative
211	4/14/2015 11:05	2 201	4	FLOOR	SHOWER	MASONRY	-	INTACT	WHITE	1	0.01	0.02	mg / cm ^2	Negative
212	4/14/2015 11:06	2 201	4	CABINET		WOOD	C	INTACT	PURPLE	9.08	0.5	0.3	mg / cm ^2	Null
213	4/14/2015 11:06	2 201	4	CABINET	DOOR	WOOD	C	INTACT	WHITE	10	0.15	0.65	mg / cm ^2	Negative
214	4/14/2015 11:07	2 201	5	WALL		PLASTER	A	INTACT	WHITE	10	6.1	2.9	mg / cm ^2	Positive
215	4/14/2015 11:07	2 201	5	WALL		PLASTER	B	INTACT	WHITE	10	8.6	3.3	mg / cm ^2	Positive
216	4/14/2015 11:07	2 201	5	WALL		PLASTER	C	INTACT	WHITE	6.52	7.9	4.3	mg / cm ^2	Positive
217	4/14/2015 11:08	2 201	5	WALL		PLASTER	D	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
218	4/14/2015 11:08	2 201	5	WALL		PLASTER	D	INTACT	WHITE	10	11.1	4.6	mg / cm ^2	Positive
219	4/14/2015 11:09	2 201	5	CEILING		PLASTER	-	FAIR	WHITE	6.84	11.7	4.9	mg / cm ^2	Positive
220	4/14/2015 11:10	2 201	5	BASEBOARD		WOOD	C	FAIR	BROWN	1.32	0.05	0.08	mg / cm ^2	Negative
221	4/14/2015 11:10	2 201	5	WINDOW	SASH	WOOD	C	FAIR	WHITE	1	0.03	0.06	mg / cm ^2	Negative
222	4/14/2015 11:11	2 201	5	WINDOW	TROUGH	METAL	C	FAIR	PINK	2.9	3.4	0.9	mg / cm ^2	Positive
223	4/14/2015 11:12	2 201	6	WALL		PLASTER	A	INTACT	WHITE	10	9.1	4.3	mg / cm ^2	Positive
224	4/14/2015 11:12	2 201	6	WALL		PLASTER	B	INTACT	WHITE	10	9.7	4	mg / cm ^2	Positive
225	4/14/2015 11:12	2 201	6	WALL		PLASTER	C	INTACT	WHITE	10	10.6	7.3	mg / cm ^2	Positive
226	4/14/2015 11:13	2 201	6	WALL		PLASTER	D	INTACT	WHITE	10	7.1	3.2	mg / cm ^2	Positive
227	4/14/2015 11:13	2 201	6	CEILING	TILE	WOOD	-	INTACT	WHITE	10	-0	0.91	mg / cm ^2	Negative
228	4/14/2015 11:14	2 201	6	BASEBOARD		WOOD	C	INTACT	BROWN	1	0.03	0.05	mg / cm ^2	Negative
229	4/14/2015 11:14	2 201	6	WINDOW	SASH	WOOD	C	INTACT	WHITE	1	0.03	0.05	mg / cm ^2	Negative
230	4/14/2015 11:15	2 201	6	WINDOW	JAMB	WOOD	C	INTACT	PINK	1.65	3.4	1.5	mg / cm ^2	Positive
231	4/14/2015 11:15	2 201	6	DOOR		WOOD	A	INTACT	BROWN	1.33	0.02	0.06	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
232	4/14/2015 11:16	2 201	3	SHELF	CLOSET	WOOD	B	INTACT	WHITE	2.81	0.12	0.18	mg / cm ^2	Negative
233	4/14/2015 11:16	2 201	3	SHELF	CLOSET	WOOD	B	INTACT	WHITE	1	0.08	0.13	mg / cm ^2	Negative
234	4/14/2015 11:19	2 201	5	WINDOW	TROUGH	METAL	D	POOR	WHITE	10	20.5	10	mg / cm ^2	Positive
235	4/14/2015 11:21	2 202	7	WALL		PLASTER	A	POOR	WHITE	7.3	0.07	0.69	mg / cm ^2	Negative
236	4/14/2015 11:21	2 202	7	WALL	TILE	CERAMIC	A	POOR	WHITE	1.98	2	0.7	mg / cm ^2	Positive
237	4/14/2015 11:23	2 202	7	WALL	TILE	CERAMIC	B	POOR	WHITE	1.93	2	0.7	mg / cm ^2	Positive
238	4/14/2015 11:23	2 202	7	WALL		PLASTER	B	POOR	WHITE	8.34	9.9	7.2	mg / cm ^2	Positive
239	4/14/2015 11:24	2 202	7	WALL		PLASTER	C	POOR	WHITE	10	13.4	8	mg / cm ^2	Positive
240	4/14/2015 11:24	2 202	7	WALL		PLASTER	D	POOR	WHITE	4.99	0.19	0.87	mg / cm ^2	Null
241	4/14/2015 11:24	2 202	7	WALL		PLASTER	D	POOR	WHITE	10	11.3	7.8	mg / cm ^2	Positive
242	4/14/2015 11:24	2 202	7	CEILING		PLASTER	-	POOR	WHITE	6.85	0.04	0.13	mg / cm ^2	Null
243	4/14/2015 11:25	2 202	7	CEILING		PLASTER	-	POOR	WHITE	10	-0.4	0.84	mg / cm ^2	Negative
244	4/14/2015 11:25	2 202	7	FLOOR	TILE	MASONRY	-	INTACT	PINK	1.61	0.01	0.04	mg / cm ^2	Negative
245	4/14/2015 11:26	2 202	7	WINDOW	SILL	WOOD	A	POOR	WHITE	1.6	0.01	0.04	mg / cm ^2	Negative
246	4/14/2015 11:26	2 202	7	WINDOW	SASH	WOOD	A	POOR	WHITE	3.96	0.07	0.19	mg / cm ^2	Negative
247	4/14/2015 11:27	2 202	7	WINDOW	TROUGH	WOOD	C	POOR	PINK	1.95	3	1	mg / cm ^2	Positive
248	4/14/2015 11:28	2 202	7	WALL	TRIM	WOOD	D	POOR	BLUE	9.44	2	0.8	mg / cm ^2	Positive
249	4/14/2015 11:28	2 202	7	CABINET		WOOD	D	POOR	WHITE	1	0.01	0.02	mg / cm ^2	Negative
250	4/14/2015 11:29	2 202	7	DOOR		WOOD	B	POOR	WHITE	3.78	0.07	0.16	mg / cm ^2	Negative
251	4/14/2015 11:29	2 202	7	DOOR	JAMB	WOOD	B	POOR	WHITE	3.51	0.08	0.17	mg / cm ^2	Negative
252	4/14/2015 11:29	2 202	7	WALL	TRIM	WOOD	B	POOR	GREEN	1.87	4.8	2.7	mg / cm ^2	Positive
253	4/14/2015 11:31	2 202	8	WALL		PLASTER	A	INTACT	BLUE	4.65	4	2.4	mg / cm ^2	Positive
254	4/14/2015 11:32	2 202	8	WALL		PLASTER	B	INTACT	BLUE	10	7.4	3.4	mg / cm ^2	Positive
255	4/14/2015 11:32	2 202	8	WALL		PLASTER	C	INTACT	BLUE	10	6.9	3	mg / cm ^2	Positive
256	4/14/2015 11:32	2 202	8	WALL		PLASTER	D	POOR	WHITE	7.88	4.7	2.9	mg / cm ^2	Positive
257	4/14/2015 11:33	2 202	8	WALL	TILE	CERAMIC	D	POOR	WHITE	2.02	2.1	0.8	mg / cm ^2	Positive
258	4/14/2015 11:33	2 202	8	CEILING		PLASTER	-	POOR	WHITE	7.79	0.12	0.14	mg / cm ^2	Negative
259	4/14/2015 11:34	2 202	8	FLOOR		WOOD	-	POOR	TAN	1.26	0.18	0.14	mg / cm ^2	Negative
260	4/14/2015 11:35	2 202	8	DOOR	JAMB	WOOD	A	POOR	WHITE	1	0.01	0.03	mg / cm ^2	Negative
261	4/14/2015 11:35	2 202	8	DOOR		WOOD	A	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
262	4/14/2015 11:35	2 202	8	WINDOW	SILL	WOOD	B	POOR	WHITE	1.29	0.07	0.08	mg / cm ^2	Negative
263	4/14/2015 11:36	2 202	8	WINDOW	SASH	WOOD	B	POOR	WHITE	1.33	0.05	0.07	mg / cm ^2	Negative
264	4/14/2015 11:36	2 202	8	WINDOW	SASH	WOOD	B	POOR	WHITE	2.17	0.06	0.12	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
265	4/14/2015 11:37	2 202	8	WINDOW	JAMB	WOOD	C	POOR	PINK	1.95	3.9	1.9	mg / cm ^2	Positive
266	4/14/2015 11:38	2 202	8	CABINET		WOOD	D	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
267	4/14/2015 11:38	2 202	8	CABINET		WOOD	D	INTACT	WHITE	2.16	0.01	0.04	mg / cm ^2	Negative
268	4/14/2015 11:39	2 202	9	WALL		PLASTER	A	INTACT	PURPLE	2.34	0.01	0.04	mg / cm ^2	Negative
269	4/14/2015 11:39	2 202	9	WALL		PLASTER	A	INTACT	PURPLE	10	7.2	3.2	mg / cm ^2	Positive
270	4/14/2015 11:40	2 202	9	WALL		PLASTER	B	INTACT	PURPLE	10	0.4	0.2	mg / cm ^2	Null
271	4/14/2015 11:40	2 202	9	WALL		PLASTER	B	INTACT	PURPLE	10	1.4	2.7	mg / cm ^2	Null
272	4/14/2015 11:40	2 202	9	WALL		PLASTER	B	INTACT	PURPLE	10	7.7	3.6	mg / cm ^2	Positive
273	4/14/2015 11:40	2 202	9	WALL		PLASTER	C	INTACT	WHITE	2.96	0.27	0.46	mg / cm ^2	Negative
274	4/14/2015 11:40	2 202	9	WALL		PLASTER	C	INTACT	WHITE	5.22	2.6	1.4	mg / cm ^2	Positive
275	4/14/2015 11:41	2 202	9	WALL		PLASTER	D	INTACT	PURPLE	10	6.6	3.1	mg / cm ^2	Positive
276	4/14/2015 11:41	2 202	9	CEILING		PLASTER	-	INTACT	WHITE	4.29	0.07	0.15	mg / cm ^2	Null
277	4/14/2015 11:41	2 202	9	CEILING		PLASTER	-	INTACT	WHITE	3.2	0.04	0.05	mg / cm ^2	Negative
278	4/14/2015 11:42	2 202	9	BASEBOARD		WOOD	C	INTACT	WHITE	4.36	0.19	0.29	mg / cm ^2	Negative
279	4/14/2015 11:42	2 202	9	DOOR		WOOD	C	INTACT	WHITE	2.35	0.04	0.11	mg / cm ^2	Negative
280	4/14/2015 11:42	2 202	9	DOOR	JAMB	WOOD	C	INTACT	WHITE	2.01	0.12	0.16	mg / cm ^2	Negative
281	4/14/2015 11:43	2 202	9	SHELF		WOOD	C	INTACT	WHITE	1	0.02	0.04	mg / cm ^2	Negative
282	4/14/2015 11:43	2 202	9	WINDOW	SASH	WOOD	B	INTACT	WHITE	1.47	0.06	0.09	mg / cm ^2	Negative
283	4/14/2015 11:44	2 202	9	WINDOW	JAMB	WOOD	B	INTACT	WHITE	2.13	0.11	0.16	mg / cm ^2	Negative
284	4/14/2015 11:44	2 202	9	WINDOW	SILL	WOOD	B	INTACT	WHITE	4.1	0.09	0.2	mg / cm ^2	Negative
285	4/14/2015 11:47	2 203	10	WALL		PLASTER	A	INTACT	WHITE	10	10	4	mg / cm ^2	Positive
286	4/14/2015 11:47	2 203	10	WALL		PLASTER	B	INTACT	WHITE	10	9.7	4.6	mg / cm ^2	Positive
287	4/14/2015 11:47	2 203	10	WALL		PLASTER	C	INTACT	WHITE	10	11.1	4.2	mg / cm ^2	Positive
288	4/14/2015 11:47	2 203	10	WALL		PLASTER	D	INTACT	WHITE	10	10.2	4.7	mg / cm ^2	Positive
289	4/14/2015 11:48	2 203	10	CEILING		PLASTER	-	INTACT	WHITE	10	15.4	11.5	mg / cm ^2	Positive
290	4/14/2015 11:48	2 203	10	FLOOR		WOOD	-	INTACT	TAN	1	0.04	0.06	mg / cm ^2	Negative
291	4/14/2015 11:49	2 203	10	BASEBOARD		WOOD	A	INTACT	TAN	1	0.03	0.05	mg / cm ^2	Negative
292	4/14/2015 11:49	2 203	10	WINDOW	SASH	WOOD	D	INTACT	WHITE	1.34	0.01	0.04	mg / cm ^2	Negative
293	4/14/2015 11:50	2 203	10	WINDOW	CASING	WOOD	D	INTACT	WHITE	2.27	0.11	0.15	mg / cm ^2	Negative
294	4/14/2015 11:50	2 203	10	WINDOW	TROUGH	METAL	D	INTACT	WHITE	10	0.8	0.3	mg / cm ^2	Null
295	4/14/2015 11:51	2 203	10	WINDOW	TROUGH	METAL	D	INTACT	WHITE	10	0.9	0.5	mg / cm ^2	Null
296	4/14/2015 11:51	2 203	10	WINDOW	TROUGH	METAL	D	INTACT	WHITE	3.97	13.4	7.6	mg / cm ^2	Positive
297	4/14/2015 11:51	2 203	10	DOOR		WOOD	B	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
298	4/14/2015 11:52	2 203	10	DOOR	JAMB	WOOD	A	INTACT	WHITE	5.44	0.17	0.32	mg / cm ^2	Negative
299	4/14/2015 11:53	2 203	11	WALL		PLASTER	A	INTACT	WHITE	8.83	1.5	0.6	mg / cm ^2	Null
300	4/14/2015 11:53	2 203	11	WALL		PLASTER	A	INTACT	WHITE	10	0.4	0.3	mg / cm ^2	Null
301	4/14/2015 11:54	2 203	11	WALL		PLASTER	A	INTACT	WHITE	8.88	0.3	0.17	mg / cm ^2	Null
302	4/14/2015 11:54	2 203	11	WALL		PLASTER	A	INTACT	WHITE	3.28	0.18	0.11	mg / cm ^2	Null
303	4/14/2015 11:54	2 203	11	WALL		PLASTER	A	INTACT	WHITE	10	0.4	0.2	mg / cm ^2	Null
304	4/14/2015 11:55	2 203	11	WALL		PLASTER	A	INTACT	WHITE	9.9	1.1	0.3	mg / cm ^2	Null
305	4/14/2015 11:55	2 203	11	WALL		PLASTER	A	INTACT	WHITE	8.82	0.14	0.33	mg / cm ^2	Null
306	4/14/2015 11:55	2 203	11	WALL		PLASTER	B	INTACT	WHITE	9.85	0.3	0.16	mg / cm ^2	Null
307	4/14/2015 11:56	2 203	11	WALL		PLASTER	B	INTACT	WHITE	6.58	0.26	0.71	mg / cm ^2	Negative
308	4/14/2015 11:56	2 203	11	WALL		PLASTER	C	INTACT	WHITE	5.91	0.26	0.11	mg / cm ^2	Null
309	4/14/2015 11:56	2 203	11	WALL		PLASTER	C	INTACT	WHITE	5.2	0.14	0.24	mg / cm ^2	Negative
310	4/14/2015 11:57	2 203	11	WALL		PLASTER	D	INTACT	WHITE	9.18	0.4	0.2	mg / cm ^2	Null
311	4/14/2015 11:57	2 203	11	WALL		PLASTER	D	INTACT	WHITE	7.58	0.17	0.29	mg / cm ^2	Negative
312	4/14/2015 11:58	2 203	11	CEILING		PLASTER	-	INTACT	WHITE	10	0.8	0.3	mg / cm ^2	Null
313	4/14/2015 11:58	2 203	11	CEILING		PLASTER	-	INTACT	WHITE	10	1.1	0.3	mg / cm ^2	Negative
314	4/14/2015 11:59	2 203	11	FLOOR		TILE	-	INTACT	WHITE	1.42	0.01	0.04	mg / cm ^2	Negative
315	4/14/2015 11:59	2 203	11	WINDOW	SASH	WOOD	D	INTACT	WHITE	3.43	0.11	0.19	mg / cm ^2	Negative
316	4/14/2015 12:00	2 203	11	WINDOW	JAMB	WOOD	D	INTACT	WHITE	2.64	4	2.2	mg / cm ^2	Positive
317	4/14/2015 12:01	2 203	11	CABINET		WOOD	A	INTACT	WHITE	9.17	0.22	0.5	mg / cm ^2	Null
318	4/14/2015 12:01	2 203	11	CABINET		WOOD	A	INTACT	WHITE	2.84	0.11	0.19	mg / cm ^2	Negative
319	4/14/2015 12:01	2 203	11	DOOR	JAMB	WOOD	B	INTACT	WHITE	3.71	0.08	0.17	mg / cm ^2	Negative
320	4/14/2015 12:01	2 203	11	DOOR	CASING	WOOD	B	INTACT	WHITE	4.63	0.11	0.24	mg / cm ^2	Negative
321	4/14/2015 12:02	2 203	11	BASEBOARD		WOOD	A	INTACT	WHITE	5.58	0.17	0.32	mg / cm ^2	Negative
322	4/14/2015 12:02	2 203	11	WALL	TRIM	WOOD	A	INTACT	WHITE	3.64	0.1	0.17	mg / cm ^2	Negative
323	4/14/2015 12:04	2 203	12	WALL		PLASTER	A	INTACT	WHITE	10	10.3	4.6	mg / cm ^2	Positive
324	4/14/2015 12:04	2 203	12	WALL		PLASTER	B	INTACT	WHITE	10	12.1	4.5	mg / cm ^2	Positive
325	4/14/2015 12:04	2 203	12	WALL		PLASTER	C	INTACT	WHITE	10	10.5	7.2	mg / cm ^2	Positive
326	4/14/2015 12:04	2 203	12	WALL		PLASTER	D	INTACT	WHITE	10	10.3	4.7	mg / cm ^2	Positive
327	4/14/2015 12:05	2 203	12	CEILING		PLASTER	-	INTACT	WHITE	10	11.4	4.8	mg / cm ^2	Positive
328	4/14/2015 12:06	2 203	12	WALL	CLOSET	PLASTER	B	INTACT	WHITE	2.12	0.1	0.1	mg / cm ^2	Null
329	4/14/2015 12:06	2 203	12	WALL	CLOSET	PLASTER	B	INTACT	WHITE	1.87	0.08	0.1	mg / cm ^2	Null
330	4/14/2015 12:06	2 203	12	WALL	CLOSET	PLASTER	A	INTACT	WHITE	1	0.02	0.05	mg / cm ^2	Null

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
331	4/14/2015 12:06	2 203	12	WALL	CLOSET	PLASTER	A	INTACT	WHITE	1.2	0.05	0.03	mg / cm ^2	Negative
332	4/14/2015 12:07	2 203	12	DOOR	CLOSET	WOOD	B	INTACT	WHITE	2.68	0.16	0.22	mg / cm ^2	Negative
333	4/14/2015 12:07	2 203	12	DOOR	JAMB	WOOD	B	INTACT	WHITE	1.69	0.07	0.1	mg / cm ^2	Negative
334	4/14/2015 12:09	2 203	13	WALL		PLASTER	A	FAIR	WHITE	10	10	7.4	mg / cm ^2	Positive
335	4/14/2015 12:09	2 203	13	WALL		PLASTER	B	FAIR	WHITE	1.96	0.17	0.07	mg / cm ^2	Negative
336	4/14/2015 12:09	2 203	13	WALL		PLASTER	B	FAIR	WHITE	10	14.7	8.8	mg / cm ^2	Positive
337	4/14/2015 12:09	2 203	13	WALL		PLASTER	C	FAIR	WHITE	10	16.9	9.5	mg / cm ^2	Positive
338	4/14/2015 12:09	2 203	13	WALL		PLASTER	D	FAIR	WHITE	5.28	7	3.3	mg / cm ^2	Positive
339	4/14/2015 12:10	2 203	13	CEILING		PLASTER	-	FAIR	BLUE	10	12.1	5	mg / cm ^2	Positive
340	4/14/2015 12:10	2 203	13	FLOOR		WOOD	-	FAIR	TAN	5.37	0.27	0.39	mg / cm ^2	Null
341	4/14/2015 12:11	2 203	13	BASEBOARD		WOOD	C	FAIR	WHITE	2.53	0.11	0.16	mg / cm ^2	Negative
342	4/14/2015 12:11	2 203	13	WINDOW	SASH	WOOD	D	FAIR	WHITE	4.39	0.24	0.29	mg / cm ^2	Negative
343	4/14/2015 12:11	2 203	13	WINDOW	JAMB	WOOD	D	FAIR	WHITE	10	10.2	7.4	mg / cm ^2	Positive
344	4/14/2015 12:12	2 203	13	DOOR	JAMB	WOOD	B	FAIR	WHITE	8.58	0.19	0.65	mg / cm ^2	Negative
345	4/14/2015 12:12	2 203	13	DOOR		WOOD	B	FAIR	WHITE	3.92	0.19	0.3	mg / cm ^2	Negative
346	4/14/2015 12:13	2 203	12	FLOOR	TILE	MASONRY	-	FAIR	WHITE	2.81	0.02	0.09	mg / cm ^2	Negative
347	4/14/2015 12:14	2 203	14	WALL		DRYWALL	A	INTACT	WHITE	1.17	0	0.02	mg / cm ^2	Negative
348	4/14/2015 12:14	2 203	14	WALL	TILE	MASONRY	A	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
349	4/14/2015 12:14	2 203	14	WALL		DRYWALL	B	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
350	4/14/2015 12:15	2 203	14	WALL		DRYWALL	C	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
351	4/14/2015 12:15	2 203	14	WALL		DRYWALL	D	INTACT	WHITE	1	0	0.02	mg / cm ^2	Null
352	4/14/2015 12:15	2 203	14	CEILING		DRYWALL	-	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
353	4/14/2015 12:16	2 203	14	FLOOR	TILE	MASONRY	-	INTACT	WHITE	1.56	0.01	0.02	mg / cm ^2	Negative
354	4/14/2015 12:17	2 203	14	WINDOW	CASING	METAL	A ext	INTACT	WHITE	10	0.6	0.4	mg / cm ^2	Negative
355	4/14/2015 12:18	2 203	14	DOOR		WOOD	A	INTACT	WHITE	6.28	0.3	0.47	mg / cm ^2	Negative
356	4/14/2015 12:20	2 204	15	WALL		PLASTER	A	INTACT	PINK	10	0.01	0.7	mg / cm ^2	Negative
357	4/14/2015 12:21	2 204	15	WALL		PLASTER	A	INTACT	PINK	3.35	0.5	0.1	mg / cm ^2	Null
358	4/14/2015 12:21	2 204	15	WALL		PLASTER	A	INTACT	PINK	3.27	1.5	0.6	mg / cm ^2	Null
359	4/14/2015 12:21	2 204	15	WALL		PLASTER	B	INTACT	PINK	3.14	10	7	mg / cm ^2	Positive
360	4/14/2015 12:22	2 204	15	WALL		PLASTER	C	INTACT	PINK	3.67	0.4	0.3	mg / cm ^2	Negative
361	4/14/2015 12:22	2 204	15	WALL		PLASTER	C	INTACT	PINK	5.09	1.2	0.6	mg / cm ^2	Null
362	4/14/2015 12:23	2 204	15	WALL		PLASTER	D	INTACT	PINK	8.28	0.5	0.2	mg / cm ^2	Null
363	4/14/2015 12:23	2 204	15	WALL		PLASTER	D	INTACT	PINK	10	0.4	0.6	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
364	4/14/2015 12:23	2 204	15	WALL		PLASTER	C	INTACT	PINK	7.5	0.08	0.86	mg / cm ^2	Negative
365	4/14/2015 12:24	2 204	15	CEILING		PLASTER	-	INTACT	WHITE	10	6.9	3	mg / cm ^2	Positive
366	4/14/2015 12:25	2 204	15	FLOOR		CERAMIC	-	INTACT	TAN	2.02	0.01	0.04	mg / cm ^2	Negative
367	4/14/2015 12:25	2 204	15	BASEBOARD		WOOD	A	INTACT	WHITE	5.07	0.08	0.22	mg / cm ^2	Negative
368	4/14/2015 12:26	2 204	15	CABINET		WOOD	A	INTACT	WHITE	8.74	0.04	0.52	mg / cm ^2	Negative
369	4/14/2015 12:26	2 204	15	CABINET		WOOD	A	INTACT	WHITE	4.5	0.14	0.25	mg / cm ^2	Negative
370	4/14/2015 12:26	2 204	15	WINDOW	SASH	WOOD	B	INTACT	WHITE	3.24	0.19	0.24	mg / cm ^2	Negative
371	4/14/2015 12:26	2 204	15	WINDOW	SASH	WOOD	B	INTACT	WHITE	4.8	0.5	0.2	mg / cm ^2	Negative
372	4/14/2015 12:27	2 204	15	WINDOW	CASING	WOOD	B	INTACT	WHITE	10	0.8	0.3	mg / cm ^2	Null
373	4/14/2015 12:27	2 204	15	WINDOW	CASING	WOOD	B	INTACT	WHITE	9.97	0.8	0.4	mg / cm ^2	Null
374	4/14/2015 12:27	2 204	15	WINDOW	CASING	WOOD	B	INTACT	WHITE	9.03	1.1	0.3	mg / cm ^2	Null
375	4/14/2015 12:28	2 204	15	WINDOW	CASING	WOOD	B	INTACT	WHITE	7.28	1	0.4	mg / cm ^2	Null
376	4/14/2015 12:28	2 204	15	WINDOW	CASING	WOOD	B	INTACT	WHITE	3.61	0.4	0.3	mg / cm ^2	Negative
377	4/14/2015 12:29	2 204	15	PIPE		METAL	B	INTACT	PINK	7.43	0.7	0.3	mg / cm ^2	Null
378	4/14/2015 12:29	2 204	15	PIPE		METAL	B	INTACT	PINK	9.69	0.9	0.3	mg / cm ^2	Null
379	4/14/2015 12:29	2 204	15	PIPE		METAL	B	INTACT	PINK	7.74	1	0.4	mg / cm ^2	Null
380	4/14/2015 12:30	2 204	15	PIPE		METAL	B	INTACT	PINK	4.53	0.4	0.5	mg / cm ^2	Negative
381	4/14/2015 12:30	2 204	15	DOOR		WOOD	C	INTACT	WHITE	2.83	0.2	0.25	mg / cm ^2	Negative
382	4/14/2015 12:31	2 204	16	WALL		PLASTER	A	INTACT	WHITE	2.98	0.02	0.06	mg / cm ^2	Negative
383	4/14/2015 12:31	2 204	16	WALL		PLASTER	B	POOR	WHITE	3.65	0.03	0.1	mg / cm ^2	Null
384	4/14/2015 12:32	2 204	16	WALL		PLASTER	B	POOR	WHITE	5.9	0.07	0.09	mg / cm ^2	Negative
385	4/14/2015 12:32	2 204	16	WALL		PLASTER	C	POOR	WHITE	8.69	-0.1	0.87	mg / cm ^2	Negative
386	4/14/2015 12:32	2 204	16	WALL		PLASTER	D	POOR	WHITE	4.44	0.02	0.07	mg / cm ^2	Negative
387	4/14/2015 12:33	2 204	16	CEILING		PLASTER	-	POOR	WHITE	7.72	1.1	0.4	mg / cm ^2	Null
388	4/14/2015 12:33	2 204	16	CEILING		PLASTER	-	POOR	WHITE	10	0.7	0.4	mg / cm ^2	Null
389	4/14/2015 12:33	2 204	16	CEILING		PLASTER	-	POOR	WHITE	4.29	0.05	0.12	mg / cm ^2	Null
390	4/14/2015 12:34	2 204	16	CEILING		PLASTER	-	POOR	WHITE	4.41	0.03	0.06	mg / cm ^2	Negative
391	4/14/2015 12:34	2 204	16	FLOOR	TILE	MASONRY	-	POOR	WHITE	4.49	0.04	0.06	mg / cm ^2	Negative
392	4/14/2015 12:35	2 204	16	BASEBOARD		WOOD	D	POOR	WHITE	7.97	0.9	0.3	mg / cm ^2	Null
393	4/14/2015 12:35	2 204	16	BASEBOARD		WOOD	D	POOR	WHITE	1	0	0.02	mg / cm ^2	Null
394	4/14/2015 12:35	2 204	16	BASEBOARD		WOOD	D	POOR	WHITE	2	0.01	0.03	mg / cm ^2	Negative
395	4/14/2015 12:35	2 204	16	DOOR		WOOD	D	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
396	4/14/2015 12:36	2 204	16	SHELF		WOOD	B	POOR	WHITE	2.53	0.23	0.1	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
397	4/14/2015 12:36	2 204	16	DOOR		WOOD	B	POOR	WHITE	4.17	1	0.2	mg / cm ^2	Null
398	4/14/2015 12:37	2 204	16	DOOR		WOOD	B	POOR	WHITE	4.06	1.1	0.3	mg / cm ^2	Null
399	4/14/2015 12:37	2 204	16	DOOR		WOOD	B	POOR	WHITE	1.67	0.08	0.11	mg / cm ^2	Negative
400	4/14/2015 12:37	2 204	17	WALL		PLASTER	A	INTACT	PINK	4.25	0.03	0.1	mg / cm ^2	Negative
401	4/14/2015 12:38	2 204	17	WALL		PLASTER	B	INTACT	PINK	8.01	0.08	0.23	mg / cm ^2	Null
402	4/14/2015 12:38	2 204	17	WALL		PLASTER	B	INTACT	PINK	1.74	0.01	0.02	mg / cm ^2	Negative
403	4/14/2015 12:38	2 204	17	WALL		PLASTER	C	INTACT	PINK	7.88	0.07	0.12	mg / cm ^2	Negative
404	4/14/2015 12:39	2 204	17	WALL		PLASTER	D	INTACT	WHITE	4.01	0.07	0.75	mg / cm ^2	Negative
405	4/14/2015 12:39	2 204	17	CEILING		PLASTER	-	INTACT	WHITE	4.21	0.03	0.1	mg / cm ^2	Negative
406	4/14/2015 12:39	2 204	17	FLOOR		WOOD	-	INTACT	TAN	1	0	0.02	mg / cm ^2	Negative
407	4/14/2015 12:40	2 204	17	BASEBOARD		WOOD	D	INTACT	WHITE	4	0.7	0.2	mg / cm ^2	Negative
408	4/14/2015 12:40	2 204	17	WINDOW	SASH	WOOD	B	INTACT	WHITE	3.59	0.4	0.1	mg / cm ^2	Null
409	4/14/2015 12:41	2 204	17	WINDOW	SASH	WOOD	B	INTACT	WHITE	2.26	0.09	0.15	mg / cm ^2	Negative
410	4/14/2015 12:41	2 204	17	WINDOW	JAMB	WOOD	B	INTACT	WHITE	3.56	0.15	0.25	mg / cm ^2	Negative
411	4/14/2015 12:41	2 204	17	WINDOW	CASING	WOOD	B	INTACT	WHITE	6.18	0.08	0.11	mg / cm ^2	Negative
412	4/14/2015 12:42	2 204	17	DOOR	CASING	WOOD	D	INTACT	WHITE	6.59	0.7	0.2	mg / cm ^2	Negative
413	4/14/2015 12:42	2 204	17	DOOR		WOOD	D	INTACT	WHITE	7.32	0.3	0.42	mg / cm ^2	Negative
414	4/14/2015 12:43	2 204	18	WALL		PLASTER	A	INTACT	PINK	1	0	0.02	mg / cm ^2	Null
415	4/14/2015 12:44	2 204	18	WALL		PLASTER	A	INTACT	PINK	1	0	0.02	mg / cm ^2	Null
416	4/14/2015 12:44	2 204	18	WALL		PLASTER	B	INTACT	PINK	10	0.13	0.22	mg / cm ^2	Null
417	4/14/2015 12:44	2 204	18	WALL		PLASTER	C	INTACT	PINK	10	0.12	0.83	mg / cm ^2	Negative
418	4/14/2015 12:45	2 204	18	WALL		PLASTER	D	INTACT	BLUE	4.73	0.04	0.13	mg / cm ^2	Negative
419	4/14/2015 12:45	2 204	18	CEILING		PLASTER	-	INTACT	WHITE	3.42	0.07	0.8	mg / cm ^2	Negative
420	4/14/2015 12:46	2 204	18	FLOOR		WOOD	-	INTACT	TAN	7.62	0.7	0.2	mg / cm ^2	Negative
421	4/14/2015 12:47	2 204	18	BASEBOARD		WOOD	A	INTACT	WHITE	7.61	0.6	0.3	mg / cm ^2	Negative
422	4/14/2015 12:47	2 204	18	DOOR	JAMB	WOOD	D	INTACT	WHITE	10	0.6	0.3	mg / cm ^2	Null
423	4/14/2015 12:48	2 204	18	DOOR	JAMB	WOOD	D	INTACT	WHITE	10	0.4	0.2	mg / cm ^2	Null
424	4/14/2015 12:48	2 204	18	DOOR	JAMB	WOOD	D	INTACT	WHITE	10	0.25	0.49	mg / cm ^2	Null
425	4/14/2015 12:48	2 204	18	DOOR	JAMB	WOOD	D	INTACT	WHITE	1	0	0.02	mg / cm ^2	Null
426	4/14/2015 12:48	2 204	18	DOOR	JAMB	WOOD	D	INTACT	WHITE	4.19	0.6	0.2	mg / cm ^2	Negative
427	4/14/2015 12:48	2 204	18	DOOR	CASING	WOOD	D	INTACT	WHITE	9.23	1.1	0.6	mg / cm ^2	Null
428	4/14/2015 12:49	2 204	18	DOOR	CASING	WOOD	D	INTACT	WHITE	10	0.7	0.3	mg / cm ^2	Null
429	4/14/2015 12:49	2 204	18	DOOR	CASING	WOOD	D	INTACT	WHITE	4.62	2.8	1.2	mg / cm ^2	Positive

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
430	4/14/2015 12:49	2 204	18	DOOR	CASING	WOOD	D	INTACT	WHITE	4.58	2.9	1.4	mg / cm ^2	Positive
431	4/14/2015 12:50	2 204	18	CLOSET DOOR	CASING	WOOD	D	INTACT	WHITE	5.69	3.3	1.7	mg / cm ^2	Positive
432	4/14/2015 12:50	2 204	18	CLOSET DOOR	BASEBOARD	WOOD	D	INTACT	WHITE	3.63	2.1	0.9	mg / cm ^2	Positive
433	4/14/2015 12:51	2 204	18	CLOSET DOOR	SHELF	WOOD	D	INTACT	WHITE	1.4	0.04	0.07	mg / cm ^2	Negative
434	4/14/2015 12:51	2 204	18	WINDOW	SASH	WOOD	A	INTACT	WHITE	7.39	0.9	0.3	mg / cm ^2	Null
435	4/14/2015 12:51	2 204	18	WINDOW	SASH	WOOD	A	INTACT	WHITE	2.99	0.4	0.3	mg / cm ^2	Negative
436	4/14/2015 12:52	2 204	18	WINDOW	SILL	WOOD	A	INTACT	WHITE	1.91	0.03	0.08	mg / cm ^2	Negative
437	4/14/2015 12:53	2 204	19	WALL		PLASTER	A	INTACT	WHITE	4.43	0.5	0.8	mg / cm ^2	Null
438	4/14/2015 12:53	2 204	19	WALL		PLASTER	A	INTACT	WHITE	4.83	0.4	0.5	mg / cm ^2	Negative
439	4/14/2015 12:53	2 204	19	WALL		PLASTER	B	INTACT	WHITE	7.51	0.4	0.5	mg / cm ^2	Negative
440	4/14/2015 12:54	2 204	19	WALL		PLASTER	C	INTACT	WHITE	3.22	0.4	0.5	mg / cm ^2	Negative
441	4/14/2015 12:54	2 204	19	WALL		PLASTER	D	INTACT	WHITE	4.32	0.4	0.6	mg / cm ^2	Negative
442	4/14/2015 12:56	2 204	19	CEILING		PLASTER	-	INTACT	WHITE	10	0.3	0.58	mg / cm ^2	Negative
443	4/14/2015 12:56	2 204	19	FLOOR		MASONRY	-	INTACT	WHITE	8.07	0.07	0.21	mg / cm ^2	Null
444	4/14/2015 12:56	2 204	19	FLOOR		MASONRY	-	INTACT	WHITE	2.18	0.02	0.02	mg / cm ^2	Negative
445	4/14/2015 12:57	2 204	19	BASEBOARD		WOOD	B	INTACT	WHITE	6.57	0.5	0.3	mg / cm ^2	Negative
446	4/14/2015 12:57	2 204	19	WALL	TILE	MASONRY	A	INTACT	WHITE	1.84	3.3	1.7	mg / cm ^2	Positive
447	4/14/2015 12:58	2 204	19	WINDOW	SASH	WOOD	A	INTACT	WHITE	4.59	0.27	0.15	mg / cm ^2	Negative
448	4/14/2015 12:58	2 204	19	WINDOW	SILL	WOOD	A	INTACT	WHITE	1	0	0.02	mg / cm ^2	Negative
449	4/14/2015 12:59	2 204	19	CABINET		WOOD	D	INTACT	WHITE	4.03	0.24	0.14	mg / cm ^2	Negative
450	4/14/2015 12:59	2 204	19	DOOR		WOOD	C	INTACT	WHITE	6.69	1.6	0.6	mg / cm ^2	Positive
451	4/14/2015 13:00	2 204	19	DOOR	JAMB	WOOD	C	INTACT	WHITE	10	1.2	0.3	mg / cm ^2	Null
452	4/14/2015 13:00	2 204	19	DOOR	JAMB	WOOD	C	INTACT	WHITE	10	1	0.9	mg / cm ^2	Null
453	4/14/2015 13:00	2 204	19	DOOR	JAMB	WOOD	C	INTACT	WHITE	2.4	0.18	0.16	mg / cm ^2	Negative
454	4/14/2015 13:01	2 204	19	DOOR	JAMB	WOOD	C	INTACT	WHITE	8.48	0.9	0.3	mg / cm ^2	Null
455	4/14/2015 13:01	2 204	19	DOOR	JAMB	WOOD	C	INTACT	WHITE	6.77	0.6	0.3	mg / cm ^2	Negative
456	4/14/2015 13:04	2 204	17	CLOSET DOOR	CASING	WOOD	D	INTACT	WHITE	4.1	1.7	0.7	mg / cm ^2	Positive
457	4/14/2015 13:04	2 204	17	CLOSET DOOR	BASEBOARD	WOOD	D	INTACT	WHITE	3.62	0.6	0.3	mg / cm ^2	Negative
458	4/14/2015 13:04	2 204	17	CLOSET DOOR	BASEBOARD	WOOD	D	INTACT	WHITE	3.53	0.6	0.4	mg / cm ^2	Negative
459	4/14/2015 13:19	2	20	WALL		PLASTER	B	POOR	WHITE	3.09	0.04	0.05	mg / cm ^2	Negative
460	4/14/2015 13:19	2	20	WALL		PLASTER	C	POOR	WHITE	1.59	0.01	0.02	mg / cm ^2	Negative
461	4/14/2015 13:19	2	20	WALL		PLASTER	D	POOR	WHITE	3.81	0.03	0.05	mg / cm ^2	Negative
462	4/14/2015 13:20	2	20	CEILING		PLASTER	-	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative

Lead Based Paint Report

Vieau Associates Inc.
4570 W. 77th Street, Ste 265
Edina, MN 55435

Project #: **B15-015**

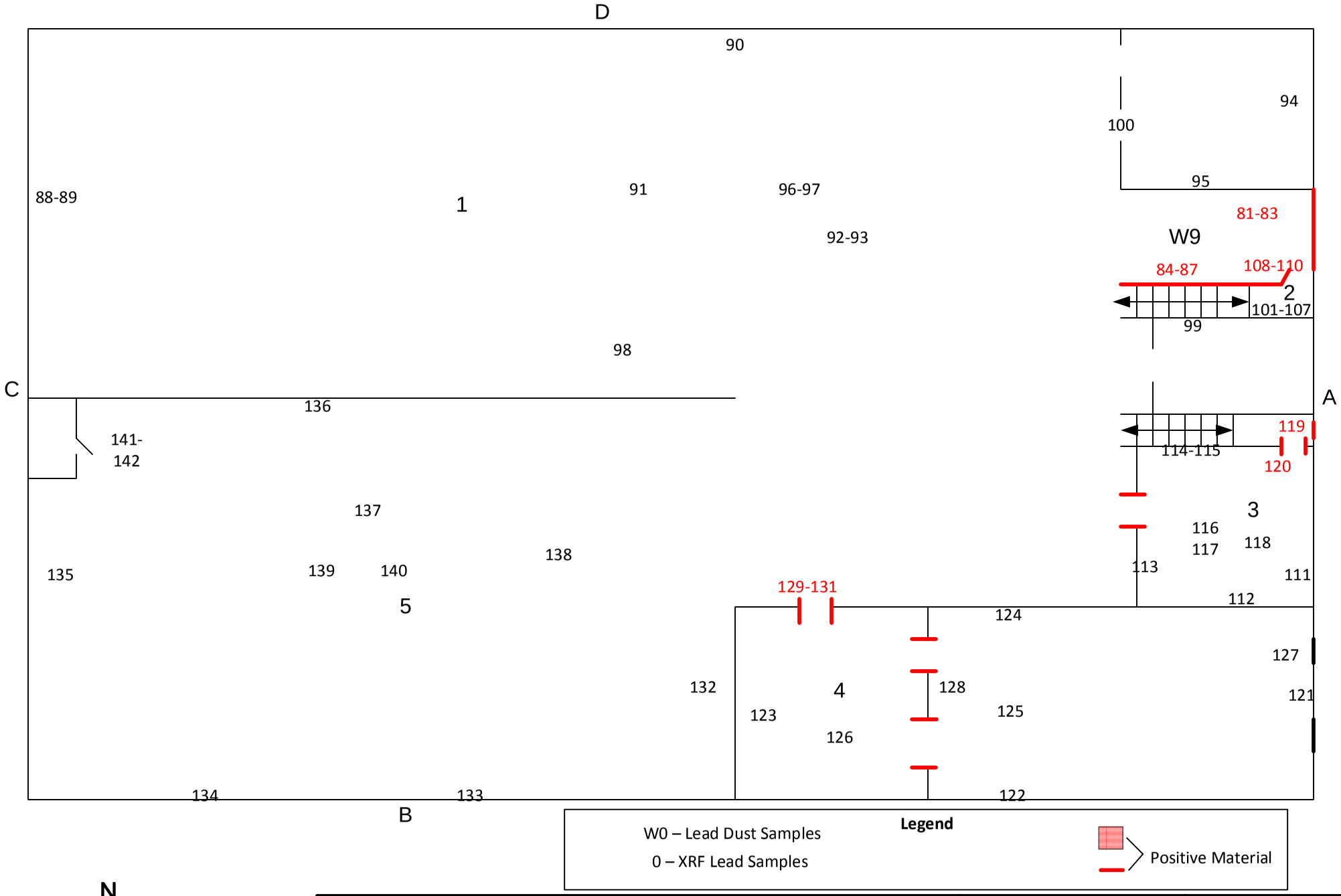
Client Name: **CPED**
Building Name/No: **Fremont Building**
Building Address: **4146 Fremont Ave. N**
Minneapolis, MN

Survey Date: **April 14, 2015**

Reading No	Time/Date	Floor	Room	Component	Misc	Substrate	Side	Condition	Color	Depth Indi	PbC	PbC Error	Units	Results
463	4/14/2015 13:20	2	20	FLOOR	TILE	CERAMIC	-	POOR	WHITE	1.7	2.3	0.3	mg / cm ^2	Positive
464	4/14/2015 13:21	2	20	BASEBOARD		WOOD	B	POOR	BROWN	1.31	0.28	0.2	mg / cm ^2	Negative
465	4/14/2015 13:21	2	20	DOOR	CASING	WOOD	C	POOR	WHITE	1	0	0.02	mg / cm ^2	Negative
466	4/14/2015 13:21	2	20	STAIRS	TREAD	WOOD	-	POOR	WHITE	2.53	0.26	0.24	mg / cm ^2	Negative
467	4/14/2015 13:22	2	20	STAIRS	STRINGER	WOOD	-	POOR	WHITE	2.32	0.6	0.3	mg / cm ^2	Negative
468	4/14/2015 13:22	2	20	STAIRS	RAIL	WOOD	D	POOR	WHITE	1	0.01	0.03	mg / cm ^2	Negative
469	4/14/2015 13:22	2	20	STAIRS	POST	WOOD	B	POOR	WHITE	1	0.02	0.04	mg / cm ^2	Negative
470	4/14/2015 13:30	EXT		WALL		MASONRY	A	POOR	RED	2.55	0.04	0.08	mg / cm ^2	Negative
471	4/14/2015 13:31	EXT		WALL		MASONRY	A	POOR	RED	1	0.01	0.02	mg / cm ^2	Negative
472	4/14/2015 13:31	EXT		WINDOW	SASH	WOOD	A	POOR	WHITE	2.7	0.02	0.07	mg / cm ^2	Negative
473	4/14/2015 13:31	EXT		WINDOW	CASING	WOOD	A	POOR	WHITE	3.36	4.6	2.9	mg / cm ^2	Positive
474	4/14/2015 13:33	EXT		WALL		WOOD	C	POOR	GREEN	3.08	0.02	0.07	mg / cm ^2	Negative
475	4/14/2015 13:33	EXT		DOOR		WOOD	C	POOR	GREEN	1	0	0.02	mg / cm ^2	Negative
476	4/14/2015 13:33	EXT		DOOR	JAMB	WOOD	C	POOR	WHITE	4.7	4.2	2.1	mg / cm ^2	Positive
477	4/14/2015 13:34	EXT		WINDOW	CASING	WOOD	C	POOR	WHITE	2.38	0.4	0.3	mg / cm ^2	Negative
478	4/14/2015 13:37	EXT		WALL		METAL	D	POOR	CREAM	2.22	9.1	6.7	mg / cm ^2	Positive
479	4/14/2015 13:37	EXT		WALL		METAL	D	POOR	CREAM	2.41	0.8	0.1	mg / cm ^2	Negative
480	4/14/2015 13:37	EXT		WALL		METAL	D	POOR	CREAM	2.54	1.8	0.6	mg / cm ^2	Positive
481	4/14/2015 13:39	EXT		WALL		METAL	A	POOR	RED	2.77	3.1	0.5	mg / cm ^2	Positive
482	4/14/2015 13:39	EXT		WALL		METAL	A	POOR	RED	4.01	4.5	2	mg / cm ^2	Positive
483	4/14/2015 13:41		CALIBRATE							1.09	1.1	0.1	mg / cm ^2	Positive
484	4/14/2015 13:42		CALIBRATE							1.09	1.1	0.1	mg / cm ^2	Positive
485	4/14/2015 13:42		CALIBRATE							1.1	1.1	0.1	mg / cm ^2	Positive

APPENDIX C

SAMPLE LOCATION MAPS



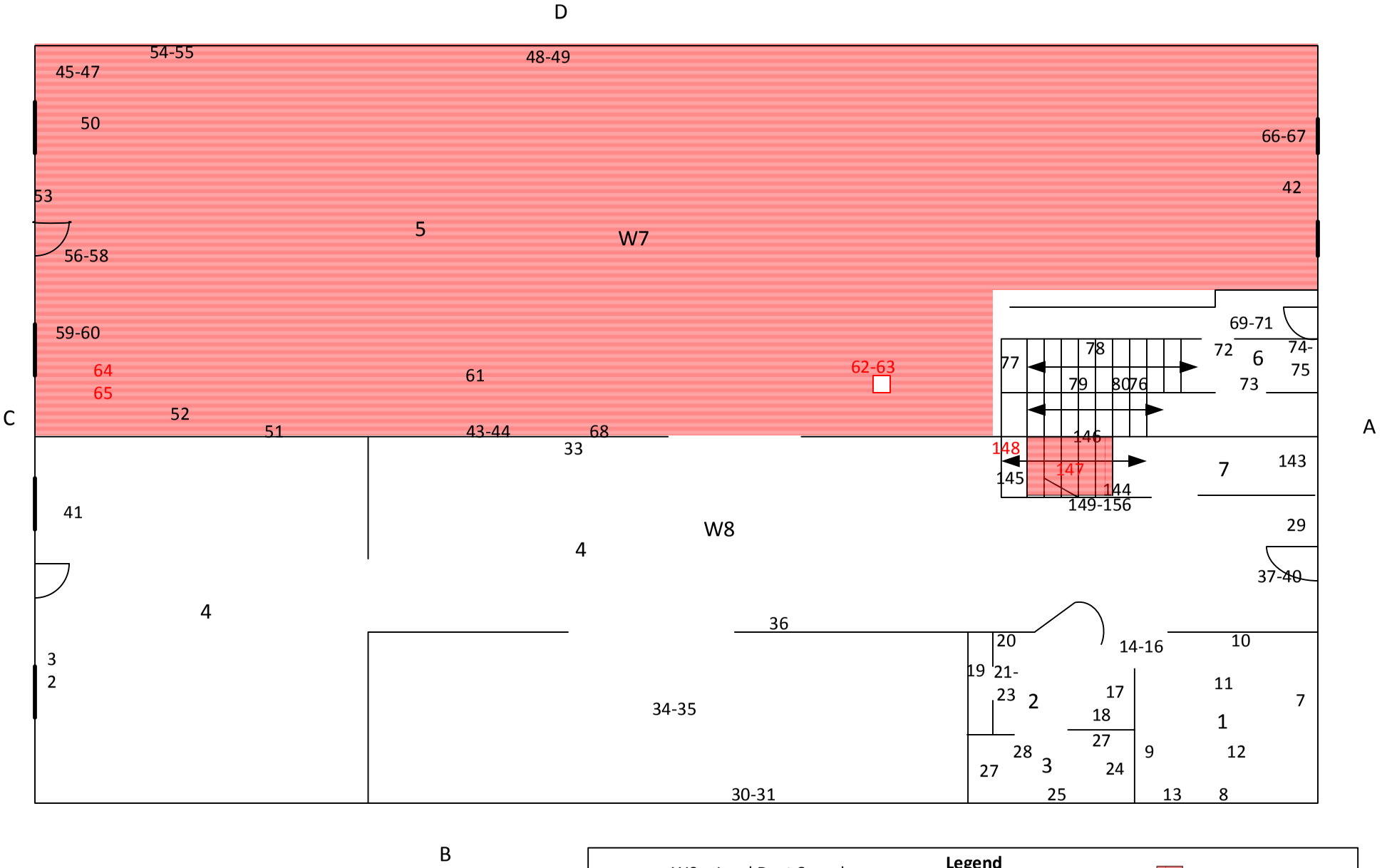
Sample & Positive Materials Location Map
Fremont Building-Basement
4146 Fremont Ave. N.
Minneapolis, MN

Vieau Proj No:#B15-015

VIEAU ASSOCIATES INC

April 2015

1



Legend

W0 – Lead Dust Samples

0 – XRF Lead Samples

Positive Material

N

Not to scale

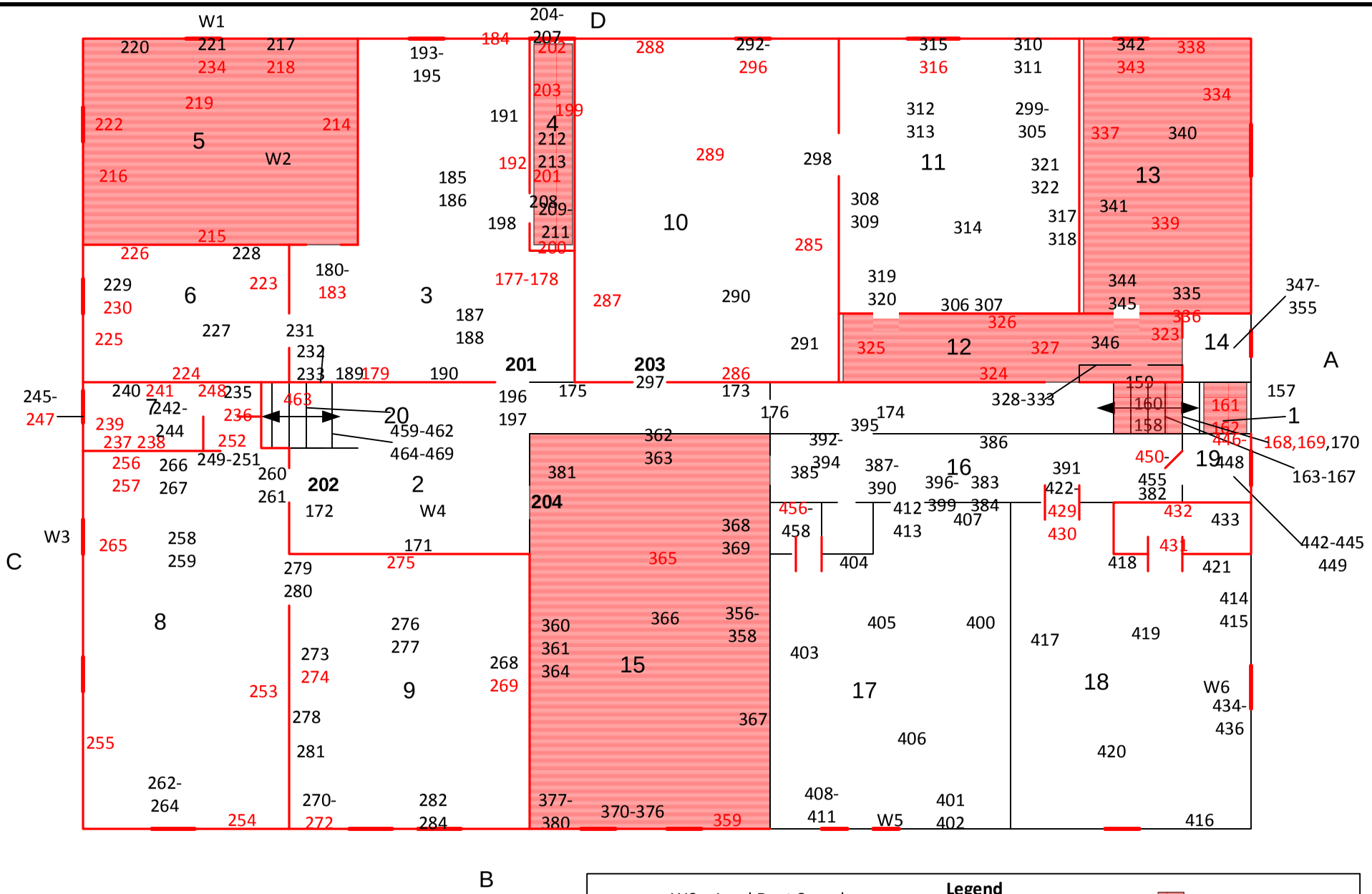
Sample & Positive Materials Location Map
Fremont Building-Floor 01
4146 Fremont Ave. N.
Minneapolis, MN

Vieau Proj No:#B15-015

VIEAU ASSOCIATES INC

April 2015

2



N

Not to scale

Sample & Positive Materials Location Map
Fremont Building-Floor 02
4146 Fremont Ave. N.
Minneapolis, MN

Vieau Proj No:#B15-015

VIEAU ASSOCIATES INC

April 2015

3

Legend

S0-Soil Sample

0 – XRF Lead Samples

Positive Material

N

Not to scale

Sample & Positive Materials Location Map
Fremont Building-Exterior
4146 Fremont Ave. N.
Minneapolis, MN

Vieau Proj No:#B15-015

VIEAU ASSOCIATES INC

April 2015

4

APPENDIX D

LEAD IN SOIL RESULTS

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone/Fax: (763) 449-4922 / (763) 449-4924
http://www.EMSL.com minneapolislab@emsl.com

EMSL Order:	351502116
CustomerID:	VIEA78
CustomerPO:	
ProjectID:	

Attn: **Chris Murphy**
Vieau Associates, Inc.
4570 West 77th Street
Suite 265
Edina, MN 55435

Phone:	(952) 595-5305
Fax:	
Received:	04/15/15 5:00 PM
Collected:	4/14/2015

Project: **B15-015**

Test Report: Lead in Soils by Flame AAS (SW 846 3050B/7000B)*

Client Sample	*Description*	*Collected*	*Analyzed*	*RDL*	*Lead Concentration*
S1		4/14/2015	4/16/2015	40 mg/Kg	250 mg/Kg
351502116-0001	Site: East Side				

Rachel Travis, Laboratory Manager
or other approved signatory

*Analysis following Lead in Soil/Solids by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC--ELLAP Accredited #163162

Initial report from 04/16/2015 11:52:11

OrderID: 351502116

2116

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only).*

EMSL Analytical Inc.
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Vieau Associates
Street: 4570 W 77th Street Suite 265
City: Edina **State/Province:** MN
Report To (Name): Chris Murphy
Email Address: cmurphy@vieauassociates.com
Project Name/Number: B15-015
U.S. State Samples Taken: MN

EMSL-Bill to: ☑ Same ☐ Different
If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party
Zip/Postal Code: 55435 **Country:** United States
Telephone #: 9525955311
Fax #: **Purchase Order:**
Please Provide Results: ☐ Fax ☑ Email
CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm	SW846-7000B	Flame Atomic Absorption	0.01%	☐
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	☐
Wipe* ASTM ☐ non ASTM ☐ *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☐
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	☐
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	☑
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50 (2013)	ICP-MS	1.2 µg/filter	☐
Other:				☐

Name of Sampler: Chris Murphy **Signature of Sampler:**

Sample #	Location	Volume/Area	Date/Time Sampled
S1	East Side	21 Square Inches	4/14/15

Client Sample #'s - **Total # of Samples:** 1

Relinquished (Client): **Date:** 4/15/15 **Time:**
Received (Lab): WS **Date:** 4/15/15 **Time:** 5:00 pm
Comments:

Controlled Document - Lead (Pb) COC - Rev 3.4.2015

Page 1 of ____ pages

APPENDIX E

LEAD WIPE RESULTS

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone/Fax: (763) 449-4922 / (763) 449-4924
http://www.EMSL.com minneapolislab@emsl.com

EMSL Order:	351502115
CustomerID:	VIEA78
CustomerPO:	
ProjectID:	

Attn: **Chris Murphy**
Vieau Associates, Inc.
4570 West 77th Street
Suite 265
Edina, MN 55435

Phone: (952) 595-5305
Fax:
Received: 04/15/15 5:00 PM
Collected: 4/14/2015

Project: **B15-015**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Area Sampled	RDL	Lead Concentration
W1 *351502115-0001*	4/14/2015 Site: 2nd Floor Room 5 Trough	4/16/2015	8 in²	18000 µg/ft²	660000 µg/ft²
W2 *351502115-0002*	4/14/2015 Site: 2nd Floor Room 5 Floor	4/16/2015	144 in²	10 µg/ft²	400 µg/ft²
W3 *351502115-0003*	4/14/2015 Site: 2nd Floor Room 8 Sill	4/16/2015	12 in²	3000 µg/ft²	5000 µg/ft²
W4 *351502115-0004*	4/14/2015 Site: 2nd Floor Room 2 Floor	4/16/2015	144 in²	10 µg/ft²	230 µg/ft²
W5 *351502115-0005*	4/14/2015 Site: 2nd Floor Room 17 Sill	4/16/2015	8 in²	9000 µg/ft²	38000 µg/ft²
W6 *351502115-0006*	4/14/2015 Site: 2nd Floor Room 18 Floor Carpet	4/16/2015	144 in²	10 µg/ft²	<10 µg/ft²
W7 *351502115-0007*	4/14/2015 Site: 1st Floor Room 5 Floor	4/16/2015	144 in²	10 µg/ft²	70 µg/ft²
W8 *351502115-0008*	4/14/2015 Site: 1st Floor Room 4 Floor	4/16/2015	144 in²	10 µg/ft²	14 µg/ft²
W9 *351502115-0009*	4/14/2015 Site: Basement Room 1 Floor	4/16/2015	144 in²	10 µg/ft²	490 µg/ft²

Rachel Travis, Laboratory Manager
or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC--ELLAP Accredited #163162

Initial report from 04/16/2015 14:39:44

OrderID: 351502115

2115

EMSL Analytical, Inc.
14375 23rd Avenue North

Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*:

Company: Vieau Associates	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 4570 W 77th Street Suite 265	*Third Party Billing requires written authorization from third party*
City: Edina **State/Province:** MN	**Zip/Postal Code:** 55435 **Country:** United States
Report To (Name): Chris Murphy	**Telephone #:** 9525955311
Email Address: cmurphy@vieauassociates.com	**Fax #:** **Purchase Order:**
Project Name/Number: B15-015	**Please Provide Results:** ☐ Fax ☑ Email
U.S. State Samples Taken: MN	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide*

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm	SW846-7000B	Flame Atomic Absorption	0.01%	☐
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	☐
Wipe* ASTM ☑ non ASTM ☐ *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☑
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	☐
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50 (2013)	ICP-MS	1.2 µg/filter	☐
Other:				☐

Name of Sampler: Chris Murphy **Signature of Sampler:** [signature]

Sample #	Location	Volume/Area	Date/Time Sampled
W1	2nd Floor Room 5 Trough	8 Square Inches	4/14/15
W2	2nd Floor Room 5 Floor	1 SF	
W3	2nd Floor Room 8 Sill	12 square inches	
W4	2nd Floor Room 2 Floor	1 SF	
W5	2nd Floor Room 17 Sill	8 Square Inches	

Client Sample #'s - **Total # of Samples:** 9

Relinquished (Client):	[signature]	**Date:**	4/15/15	**Time:**	
Received (Lab):	[signature] VI	**Date:**	4/15/15	**Time:**	5:00 pm

Comments:

Controlled Document – Lead (Pb) COC – Rev. 4/2015

Page 1 of 2 pages

OrderID: 351502115

2115

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID *(Lab Use Only).*

EMSL Analytical, Inc.
14375 23rd Avenue North

Minneapolis, MN 55447

PHONE: (763) 449-4922
FAX: (763) 449-4924

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
W6	2nd Floor Room 18 Floor Carpet	1 SF	4/14/15
W7	1st Floor Room 5 Floor	1 SF	
W8	1st Floor Room 4 Floor	1 SF	
W9	Basement Room 1 Floor	1 SF	

Comments/Special Instructions:

Page 2 of 2 pages

APPENDIX F

HUD FORMS

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APPENDIX G

LEAD INFORMATION PAMPHLETS

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APPENDIX H

XRF PERFORMANCE CHARACTERISTIC SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: **September 24, 2004** **EDITION NO.: 1**

MANUFACTURER AND MODEL:

Make: *Niton LLC*

Tested Model: *XLp 300*

Source: ^{109}Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.
XLp 300A, XLp 301A, XLp 302A and XLp 303A.
XLi 700A, XLi 701A, XLi 702A and XLi 703A.
XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is <u>not</u> needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

- Compute the Retest Tolerance Limit by the following steps:
  - Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.
    - Calculate the average of the original XRF result and retest XRF result for each testing combination.
    - Square the average for each testing combination.
    - Add the ten squared averages together. Call this quantity C.
    - Multiply the number C by 0.0072. Call this quantity D.
    - Add the number 0.032 to D. Call this quantity E.
    - Take the square root of E. Call this quantity F.
- Multiply F by 1.645. The result is the Retest Tolerance Limit.
- Compute the average of all ten original XRF results.
- Compute the average of all ten re-test XRF results.
- Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
	All Data			Median for laboratory-measured lead levels (mg/cm^2)		
Substrate	25th Percentile	Median	75th Percentile	Pb < 0.25	0.25 ≤ Pb<1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

APPENDIX I

PHOTOLOG

4146 Fremont Ave. N., Minneapolis, MN

VAI Project No. B15-015

Photo 1-View of side A.

Photo 2-View of side C.

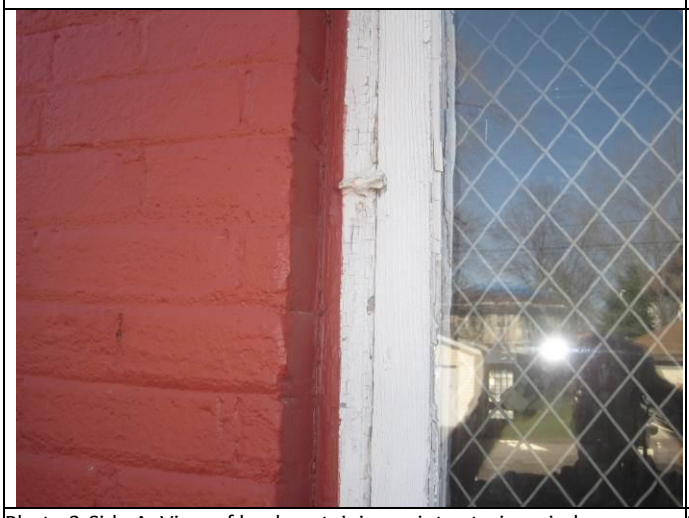

Photo 3-Side A: View of lead containing paint exterior window casing.

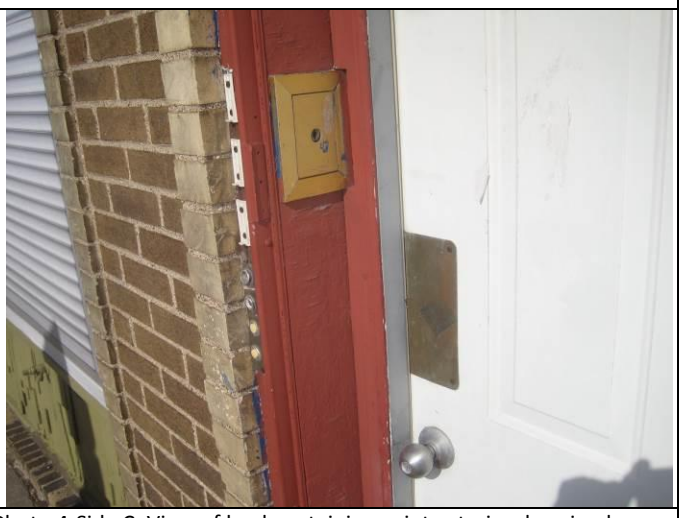

Photo 4-Side C: View of lead containing paint exterior door jamb

Photo 5-Side D: View of lead containing paint exterior metal siding wall.

Photo 6-Side A: View of lead containing paint exterior metal siding wall.

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Photo 7-Basement Side A: View of lead containing paint masonry wall.

Photo 8-Basement Side B: View of lead containing paint plaster wall.

Photo 9-Basement Side B: View of lead containing paint door.

Photo 10-Basement Side A: View of lead containing paint window sash.

Photo 11-Basement Side D: View of lead containing paint door casing.

Photo 12-Basement: View of lead containing paint door casing.

Photo 13-Basement Side D: View of lead containing paint door.

Photo 14-Floor 01: View of lead containing metal column wrap.

Photo 15-Floor 01: View of lead containing metal ceiling tile and crown molding.

Photo 16-Basement Side A: View of lead containing paint stairs.

Photo 17-Basement Side A: View of lead containing paint door casing.

Photo 18-Floor 01 Side A: View of lead containing ceramic tile floor.

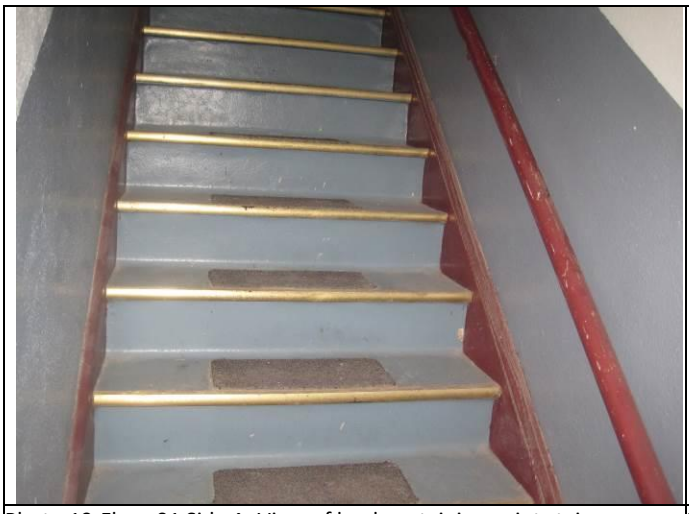

Photo 19-Floor 01 Side A: View of lead containing paint stairs.

Photo 20-Floor 02 Unit 201.

Photo 21-Floor 02 Unit 201: View of lead containing plaster wall.

Photo 22-Floor 02 Unit 201: View of lead containing ceramic wall.

Photo 23-Floor 02 Unit 201: View of lead containing painted window casing.

Photo 24-Floor 02 Unit 202.

Photo 25-Floor 02 Unit 202: View of lead containing plaster wall and ceramic tile.

Photo 26-Floor 02 Unit 202: View of lead containing painted window casing.

Photo 27-Floor 02 Unit 202: View of lead containing painted window casing.

Photo 28-Floor 02 Unit 203.

Photo 29-Floor 02 Unit 203: View of lead containing plaster wall.

Photo 30-Floor 02 Unit 203: View of lead containing painted window casing.

Photo 31-Floor 02 Unit 203: View of lead containing plaster ceiling.

Photo 32-Floor 02 Unit 204.

Photo 33-Floor 02 Unit 204: View of lead containing plaster wall.

Photo 34-Floor 02 Unit 204: View of lead containing painted window casing.

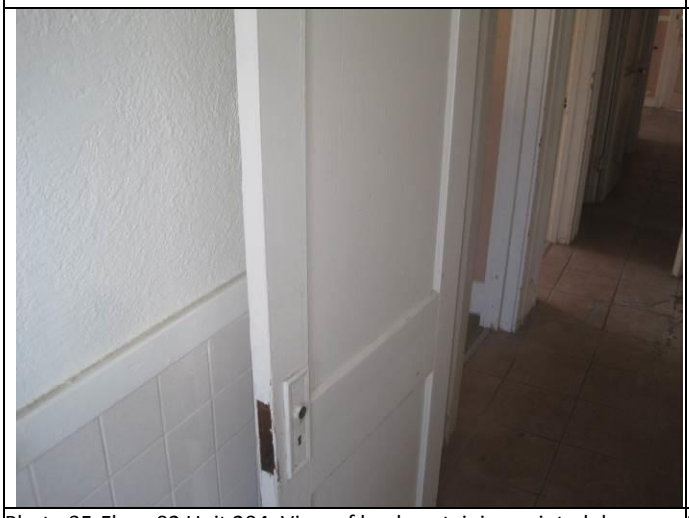

Photo 35-Floor 02 Unit 204: View of lead containing painted door.

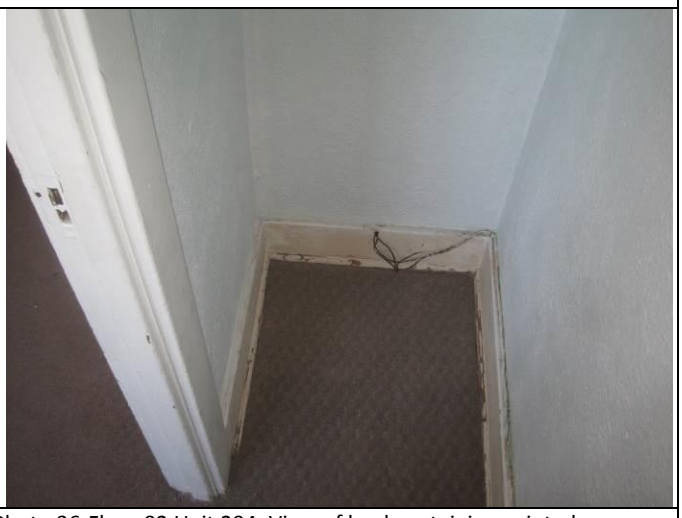

Photo 36-Floor 02 Unit 204: View of lead containing painted baseboard.

APPENDIX J

CERTIFICATIONS

Certificate No: 5LM05221420PbRAR

Issue Date: May 22, 2014

This diploma is awarded to

Christopher D. Murphy

216 Evergreen St Belle Plain MN 56011

for successfully completing and passing the examination for the

LEAD (Pb) RISK ASSESSOR REFRESHER TRAINING COURSE

This training course is Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700 and meets the requirements of 40 CFR 745.225, and Title X of the Toxic Substances Control Act (TSCA) conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on May 22, 2014

Examination Date: May 22, 2014

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Bob Rogalla - Training Course Manager

Certificate No: 5LM03041419PbRAR

Issue Date: March 4, 2014

This diploma is awarded to

Joseph J. Conlan

1824 Carnelian Ln Eagan MN 55122

for successfully completing and passing the examination for the

LEAD (Pb) RISK ASSESSOR REFRESHER TRAINING COURSE

This training course is Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700 and meets the requirements of 40 CFR 745.225, and Title X of the Toxic Substances Control Act (TSCA) conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on March 4, 2014

Examination Date: March 4, 2014

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Bob Rogalla - Training Course Manager

MINNESOTA DEPARTMENT OF HEALTH

has authorized

VIEAU ASSOCIATES INC.
4570 77TH ST W, SUITE 265
EDINA, MINNESOTA 55424

In accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

CERTIFIED LEAD FIRM

LICENSE NO: LF3916
EXPIRES: 12/27/2015

THIS CERTIFICATE IS NONTRANSFERABLE

MINNESOTA MDH DEPARTMENT OF HEALTH

Thomas P. Hogan, Director
Environmental Health Division

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

14375 23rd Ave. North, Minneapolis, MN 55447

Laboratory ID: 163162

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

☐	**INDUSTRIAL HYGIENE**	Accreditation Expires:
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: 02/01/2017
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: 02/01/2017
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 01/30/2015

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
14375 23rd Ave. North, Minneapolis, MN 55447

Laboratory ID: **163162**
Issue Date: 01/30/2015

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 09/01/2012

Field of Testing (FoT)	Method	Method Description (*for internal methods only*)
Paint	EPA SW-846 3050B	
	EPA SW-846 7000B	
Soil	EPA SW-846 3050B	
	EPA SW-846 7000B	
Settled Dust by Wipe	EPA SW-846 3050B	
	EPA SW-846 7000B	
Airborne Dust	NIOSH 7082	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org