Lead-Based Paint Inspection and Risk Assessment Report

Illahee Creekside Apartments
14049 NE Bel-Red Road
Bellevue, Washington 98007

Prepared for:
King County Housing
700 Andover Park West, Suite C
Seattle, Washington 98188

March 8, 2021
PBS Project No. 40573.214

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LEAD-BASED PAINT INSPECTION AND RISK ASSESSMENT
Illahee Creekside Apartments
14049.NE Bel-Red Road
Bellevue, Washington 98007

For

King County Housing Authority
700 Andover Park West, Suite C
Seattle, Washington 98188

Prepared by:

PBS Engineering and Environmental Inc.
214 East Galer Street, Suite 300
Seattle, Washington 98102

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SUPPORTING DATA

1 IDENTIFYING INFORMATION

BUILDING DATA

Illahee Creekside Apartments
14049 NE Bel-Red Road
Bellevue, WA 98007

CLIENT DATA

King County Housing Authority
700 Andover Park West, Suite C
Seattle, WA 98188

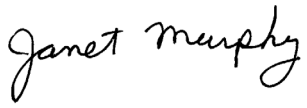
SCOPE OF ASSESSMENT

PBS Engineering and Environmental, Inc. (PBS) conducted a lead-based paint inspection and risk assessment at the Illahee Creekside Apartments at 14049 NE Bel-Red Road, Bellevue WA in accordance with the U.S. Department Housing and Urban Development (HUD), Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.

CERTIFICATIONS

Risk Assessor

Janet Murphy
State of Washington
Department of Community, Trade and Economic Development
Risk Assessor Certification No: 170585, Expiration Date: 12/7/2021



Signature

March 8, 2021
Date

Firm

PBS Engineering and Environmental
214 East Galer Street, Suite 300
Seattle, Washington 98102
Telephone: 206.223.9639

Certification No: 170586
Expiration Date: 12/7/2021

Laboratory

NVL Laboratories Inc.
4708 Aurora Avenue North
Seattle, Washington 98103-6516
Telephone: 206.547.0100

Certification No: 101861

2 LEAD-BASED PAINT INSPECTION

2.1 Site Information

The Illahee Creek Apartments is a apartment complex of seven buildings. The buildings are 3-storys built-slab-on grade with wood framing. Architectural finishes vary. The majority of the interior components are painted. Walls and ceilings are painted gypsum wallboard. Bathroom walls have tub inserts or ceramic tiles. Interior windows have painted wood sills or unpainted vinyl or ceramic tile. Doors and doors frames are painted wood or unpainted vinyl. The window frames are vinyl. Downspouts are sheet metal. The exterior is unpainted vinyl siding and trim over painted wood siding.

The Lead-Based Paint Inspection and Risk Assessment included buildings 1, 2, 3, 5, 6 and 7. Building 4 was destroyed by fire and not included in this inspection and risk assessment. Building 4 was undergoing rehabilitation to repair the fire damage at the time of this inspection and risk assessment. The survey covered conditions on January 25 – 28, 2021.

2.2 Lead-Based Paint Inspection and Sampling

Based on discussions with KCHA staff and a review of King County Assessor records, the building was constructed in 1967.

2.2.1 XRF Sampling

The presence of lead in paint was determined through x-ray fluorescence spectroscopy. A handheld Niton Inc. X-Ray Fluorescence Analyzer (XRF), Model XLP 300 Version 5.2.1 P/N 500-926 Serial # 102877 operating in lead paint mode was used to perform a surface-by-surface lead paint inspection of each painted surface in the selected units and other building areas. Calibration was checked based on the requirements of the Performance Characteristic Sheet for the XRF Analyzer. All calibration readings were within the tolerance for this instrument. No substrate correction is required with this instrument.

HUD and Environmental Protection Agency (EPA) have set 1.0 milligrams per square centimeter (mg/cm^2) as the threshold limit for lead-based paint as determined through X-Ray Fluorescence (XRF) testing. HUD and EPA have set 5,000 parts per million (ppm), or 0.5 percent by atomic absorption spectroscopy (AAS) laboratory analysis as the threshold limit for lead-based paint. Paint that is known to contain lead levels less than those described above does not have to be evaluated, although all deteriorated paint (paint surfaces in poor condition) should be repaired because it may contain lower levels of lead that may contribute to lead dust or lead contaminated soil hazards.

The "Side" information presented on the XRF data sheets is in relation to the side of the rooms or building exteriors where the street address is located. The inspector/risk assessor used the address side of each residence as the basis to establish side "A". Sides B, C, and D follow in clockwise rotation.

Please refer to the XRF sample data table for the complete list of XRF samples located in Tab 1.

2.2.2 Bulk Paint-Chip Sampling

Bulk paint chip verification samples were not collected as there were no inconclusive result with the XRF.

2.3 Components with Lead-Based Paint

Lead was not found in any interior painted components above the HUD level of 1.0 mg/cm^2 by XRF.

Lead-based paint is present on wood siding behind vinyl siding on the exterior of all buildings.

2.4 Deteriorated Lead-Based Paint Surfaces

Concealed lead-containing paint was found on wood siding behind vinyl siding on the exterior of Building 1, 2, 3, 5, 6, and 7. Although covered by vinyl siding, this paint was found to be in poor condition with peeling and chipping.

3 LEAD-BASED PAINT RISK ASSESSMENT

3.1 Locations and Types of Lead Hazards Identified

Lead dust and lead soil hazards were not identified at this property.

3.2 Dust Sampling

The purpose of dust sampling is to determine the lead concentration in settled dust. Dust is an important pathway for childhood exposure to lead. Children can be exposed to leaded dust by inhalation or ingestion. Ingestion of leaded dust is a common pathway during normal hand to mouth activities involving their fingers, or toys that that have come in contact with leaded dust wipe sampling is the recommended method for collecting surface dust samples. Dust samples are typically collected from floors near friction and impact spots or areas of deteriorated paint, interior window sills, and window wells. Cabinets, shelves, and table tops may also be sampled if there is reason to suspect a surface dust hazard may exist caused by friction, impact points, or from areas of deteriorated paint nearby.

Dust wipe samples were collected in accordance with EPA 747-R-95-001, Residential Sampling for Lead: Protocols for Dust and Soil Sampling. All wipe samples were analyzed using EPA Method SW846-7000B, Flame Atomic Absorption.

EPA/HUD has established the following lead dust hazard standards for lead in settled dust in target housing: 10 micrograms per square foot (µg/ft^2) on floors and 100 µg/ft^2 on window sills.

Results of all single surface dust wipe sampling conducted during this assessment revealed lead concentrations **below** the EPA/HUD lead dust hazard standards. Lead wipe sample chain-of-custody and laboratory reports are located in Tab 2.

3.3 Soil Sampling

Composite soil sampling was conducted around the foundation or "drip line" of the building where there was bare soil (A, B, C, D). An area of bare soil (9 SF) around the common sun deck. An area in the northwest front yard with bare soil (9 SF) was sampled. The soil samples were collected in accordance with EPA 747-R-95-001, Residential Sampling for Lead: Protocols for Dust and Soil Sampling. All samples were analyzed using EPA Method SW846-7000B, Flame Atomic Absorption. Due to ongoing construction activities that obscured the ground around Building 4, the evaluation of soil conditions and soil sampling was not performed at the Building 4 dripline.

The EPA/HUD threshold for bare residential soil is 250 ppm or milligram per kilogram (mg/kg).

Results of the soil sampling revealed lead in soil **below** the EPA/HUD threshold for bare soil.

Lead soil sample chain-of-custody and lab reports are located in Tab 2.

4 LEAD HAZARD CONTROL

A lead hazard control program is required for this property. Lead-based paint was identified at this property. Lead hazards have not been identified at this property.

4.1 Lead-Based Paint Policy Statement

King County Housing Authority is committed to controlling lead-based paint hazards in all its dwellings. KCHA has my authority to direct all activities associated with lead hazard control, including directing training, issuing special work orders, informing residents, responding to cases of children with elevated blood lead levels, correcting lead-based paint hazards on an emergency repair basis, and any other efforts that may be appropriate. The corporations plan to control such hazards is detailed in a risk assessment report and lead hazard control plan.

_____ _____

(Director) (Date)

_____ _____

(Lead Hazard Control Program Manager) (Date)

4.2 Lead Hazard Control Recommendations

Lead-based paint is present on the wood siding beneath vinyl siding on Building 1, 2, 3, 5, 6 and 7

- Although lead dust and soil hazards were not identified at this property, PBS recommends on-going monitoring and use of lead-safe work practices associated with the lead-based paint beneath the vinyl siding at Building 1, 2, 3, 5, 6 and 7. See below for additional information.

It is possible that lead hazards could develop at this site that did not exist at the time of this assessment such as from interior lead-based painted window components and exterior lead-based painted components. In order to prevent hazards from developing, PBS recommends that routine clean-up of any new visible paint debris, and the repair of newly damaged paint is advisable. This activity should be accomplished every 12 months and could be incorporated as part of the annual visual surveillance described in Section 3.6.2.

4.3 Notification of Results of the Risk Assessment and Lead Hazard Control Program

King County Housing Authority should provide results of this report to the owners/residents of the dwelling. The following items should be fully understood by the owners/residents of the dwelling:

1. The lead hazards at the property should be corrected. If a schedule has been established for the work, then it should be included in the explanation.
2. Instruct all residents to report any deteriorating paint in the future and identify who is to receive this information.
3. Provide a copy of the EPA brochure, *Testing Your Home for Lead in Paint, Dust, and Soil* located in Tab 3 to the residents.
4. Provide a copy of the EPA brochure; *Protect Your Family From Lead In Your Home* located in Tab 3 to the residents.

4.4 Renovation Projects

The EPA requires persons performing renovation work that will disturb lead-based paint to provide building occupants with information about lead hazards. The Pre-Renovation Lead Information Rule (PLIR), also known as section **406(b)** of the **Toxic Substances Control Act**, is a rule requiring people performing renovation for compensation to distribute a lead hazard information pamphlet prior to commencing the renovation.

If the job is for compensation and will require you to disturb more than 2 square feet (ft^2) of paint in pre-1978 housing, then you are a renovator for the purposes of PLIR. This is not dependent upon whether what you do is typically considered a renovation. Whether you are a plumber, a drywaller, a painter, or an electrician, if your job requires that you disturb more than 2 ft^2 of paint, then you must comply with PLIR.

The term compensation extends beyond money. Providing services in exchange for other services (e.g., bartering) is included within the term. PLIR applies to owners renovating their own apartment buildings using maintenance staff as well as neighborhood handymen providing services to those in the neighborhood for services or goods other than money. Work that is performed for free (e.g., no exchange of money, goods, or services) or work performed by Do-It-Yourselfers in their own homes is not covered by PLIR. Work that is performed during an emergency (i.e., a hazardous, non-routine situation that could either threaten public health or cause substantial property damage) is also excluded from this rule.

A copy of the EPA handbook, *The Lead-Based Paint Pre-Renovation Education Rule* for contractors, property manager, and maintenance personnel is located in Tab 4.

The EPA provides "Pre-Renovation Education Advisor" to assist in understanding the regulations and how they apply to specific situations. It can also be found at the following link:
http://www.epa.gov/opptintr/advisors/406b/

4.5 Regulatory Overview

Current lead-based paint regulations establish standards for certification, hazard levels, occupant education, disclosure, and occupational exposure to lead. The following regulations apply to lead-based paint activities in Washington.

Environmental Protection Agency (EPA) 40 CFR Part 745:

- **402/404** ensures that individuals conducting lead-based paint abatement, risk assessment, or inspection are properly trained and certified, that training programs are accredited, and that these activities are conducted according to reliable, effective and safe work practice standards.
- **403** establishes standards for lead-based paint hazards and lead dust cleanup levels in most pre-1978 housing and child-occupied facilities.
- **406** ensures that owners and occupants of most pre-1978 housing are provided information concerning potential hazards of lead-based paint exposure before certain renovations are begun on that housing.
- **1018** requires disclosure of known lead-based paint and/or lead-based paint hazards by persons selling or leasing housing constructed before the phase out of residential lead-based paint use in 1978.

Occupational Safety and Health Administration Rules (OSHA) 29 CFR:

- **1926.62** OSHA regulations address occupational exposure to lead in the construction industry.
- **1910.1025** OSHA regulations address occupational exposure to lead in general industry.

State of Washington Department of Community, Trade and Economic Development. Washington Administrative Code (WAC) 365-230.

- Addresses certification of individuals and firms engaged in lead-based paint activities and work practices in the State of Washington.

4.6 Ongoing Monitoring

4.6.1 Program Description

Ongoing monitoring is required unless all lead-based paint is removed from a building and a certified risk assessor has determined that no lead-based paint hazards exist. Even in situations where lead-based paint hazards have been controlled and spaces have successfully passed clearance testing, the possibility that controls may fail or that previously intact lead-based paint may deteriorate necessitates the need for ongoing monitoring programs. Ongoing monitoring includes two types of activities. These are reevaluation and annual visual surveys.

4.6.2 Reevaluation Schedule

Reevaluations are conducted at specific intervals as described in Chapter 6 of the HUD Guidelines. These schedules can also vary based on the specific action taken to address identified lead-based paint hazards or lead-based paint.

According to the Guidelines, this property should be reevaluated in two (2) years. Reevaluations should occur following lead hazard control activities or prior to reoccupation of the buildings. If interim controls are used to address the lead-based painted components they should be visually inspected at least annually.

If all identified lead-based paint is removed from the property, then no reevaluation or annual visual inspection need be scheduled.

4.6.3 Annual Visual Surveys

Reevaluations are supplemented with visual surveys by the Owner or the Owner's representative and should be conducted at least once per year. The annual survey is intended to monitor the condition of all known or suspected lead-based paint and control methods or structural problems that can cause lead-based paint to become deteriorated or contribute to hazardous dust levels. If the Owner receives information that a condition has arisen that could create a hazard, additional surveys should be conducted. If a hazardous condition is discovered interim control measures should be implemented until the source or cause of damage is repaired or eliminated.

Standard Reevaluation Schedule for Illahee Creekside Apartments

Schedule	Evaluation Results	Action Taken	Reevaluation Frequency And Duration	Visual Survey (by owner or owner's representative)
5	No leaded dust or leaded soil hazards identified, but lead-based paint or lead-based paint hazards are found.	A. Interim Controls or mixture of interim controls and abatement (not including window replacement). B. Mixture of interim controls and abatement including window replacement.	2 Years 3 Years 4 Years	Annually and whenever information indicates a possible problem, except for encapsulants. The first visual survey of encapsulants should be done

Schedule	Evaluation Results	Action Taken	Reevaluation Frequency And Duration	Visual Survey (by owner or owner's representative)
		C. Abatement of all lead-based paint *hazards*, but not all lead-based paint. D. Abatement of all lead-based paint using encapsulation or enclosure. E. Removal of all lead-based paint.	None None	one month after clearance; the second should be done 6 months later and annually thereafter. None

4.7 Operations and Maintenance (O&M)

4.7.1 Recommended Changes to Work Order System and Property Management

Currently the residence is owner occupied. No work order system exists or is necessary for this site. No property management operations exist at this site.

The presence of lead-based paint should be considered in all repair and maintenance work that disturbs building components with lead-based paint. If painted surfaces will be disturbed during a particular repair job, the painted surface should be tested to determine if it has lead-based paint on it, unless it has been tested previously by reliable methods. The results in this report indicate that lead-based paint is present on exterior painted wood components of the residence.

The owner should repair any paint that is peeling, chipping, flaking, chalking or otherwise deteriorating in a timely manner.

If lead-based paint is present (or is suspected to be present) in designated work areas, the owner should take the necessary precautions required by applicable regulations. If contractors are hired to perform work which may impact lead-paint, the contractor must comply with all federal, state, and local regulations pertaining to lead paint.

If residents are present during the work, the work areas should be sealed off so that leaded dust does not enter the living area, or the residents may be relocated temporarily if the scope of work is large. Mopping or other wet cleaning methods should be used in conjunction with a HEPA-filtered vacuum cleaner for routine use to clean up dust and debris that may be generated.

Lead-painted surfaces should be inspected annually. Those conducting the examination should also be trained to evaluate the condition of painted surfaces with regards to HUD and EPA requirements for visual examination of painted surfaces, such as those presented in Tab 3 of this report. Once trained in visual examination techniques, those individuals could then conduct the annual visual surveys in accordance with the Reevaluation Schedule presented in Section 3.6 of this report.

Establish a routine maintenance activity to inspect and clean up any new visible paint chips and repair areas of newly damaged paint. This activity should be accomplished at least every twelve (12) months and could be incorporated as part of the annual visual surveillance.

4.7.2 Operations and Maintenance Program Recommendations Program Content

A comprehensive Operations and Maintenance Program (O&M) for lead-based paint is not required for this residence.

If the King County Housing Authority elects to implement a lead O&M Program, it should contain the following:

- Policy Statement & Summary
- Program Administration and Resources
- Known or Presumed Lead Hazard Sources
- Periodic Visual Surveillance (12 months or unit turnover)
  - Prompt and systematic repair of damaged paint
- Maintenance Practices
  - Designated personnel
  - Personnel training
  - Work protection and equipment
  - Work order system
  - Work practices
  - Prohibited activities
  - Occupant protection plan
- Cleaning Practices
- Occupant/Tenant Relations
  - Provide basic generic lead-based paint hazard information as per regulations
  - Notify tenants of lead-based paint operations
  - Provide system for tenants to report deteriorating paint
  - Recordkeeping

Lead O&M activities are limited to small-scale projects relevant to the general operation and maintenance of the three residences. A lead O&M program requires standard work practices for maintenance activities that may disturb lead paint of building components and lead contaminated soil or dust. All work operations that disturb lead paint require controls designed to minimize the generation of lead dust/debris and protect the occupants and workers.

The HUD Guidelines classify common maintenance tasks in "high risk" and "low risk" work operations. High-risk operations typically disturb more than two square feet of lead-based paint per room, e.g., surface preparation with sanding or scraping, plastering or wall repair, carpet replacement, or welding on painted surfaces. Low-risk operations include window pane replacement, grounds keeping, and door repair. See the table below for the HUD summary of work operations.

Low- and High-Risk Job Designations for Surfaces Known or Suspected to Contain Lead-Based Paint

Job Description	Low Risk	High Risk*
Repainting (includes surface preparation)		X
Plastering or wall repair		X
Window repair	X	
Window pane or glass replacement only		
Water or moisture damage repair (repainting and plumbing)		X
Door repair	X	

Job Description	Low Risk	High Risk*
Building component replacement		X
Welding on painted surfaces		X
Door lock repair or replacement	X	
Electrical fixture repair	X	
Floor refinishing		X
Carpet replacement		X
Grounds keeping	X	
Radiator leak repair	X	
Baluster repair (metal)		X
Demolition		X

* High-risk jobs typically disturb more than 2 square feet per room. If these jobs disturb less than 2 square feet, then they can be considered low-risk.

4.7.3 Permit Requirements for Removing or Stabilizing Lead-Based Paint

Washington Administrative Code 365-230 requires a 5-day notification for any person or firm performing work that falls under the definition of abatement listed in WAC 365-230 *and* meets one or more of the following:

- The structure you are working on is target housing, a residential structure built prior to 1978
- The structure you are working on is a child-occupied facility built prior to 1978
- You are abating soil on the property of a child-occupied facility or target housing

(See: www.cted.wa.gov/lead/)

Model Program

The best model program currently available for purchase is the National Institute of Building Sciences (NIBS), *Operations and Maintenance Work Practices Manual for Homes and Buildings*, May 1995, at $125.00. This technical procedure manual provides detailed guidance to homeowners, custodial and O&M workers, maintenance supervisors, and building owners for performing work where lead-based paint is, or may be, present. It also provides practical, specific guidance to laws and regulations. The O&M Manual addresses a range of situations in which operations and maintenance activities are routinely performed in buildings whether or not lead is present. It addresses three different levels of precaution, which may be warranted by specific building conditions and by the amount of potentially lead-contaminated dust and debris, which may be generated by the activities.

The manual also contains model sample documentation forms, e.g., work order and authorization, hazard evaluation, and tenant notification forms, which can be modified and integrated into existing facilities management recordkeeping systems. The O&M Manual was developed by NIBS in cooperation with the U. S. Department of Housing and Urban Development.

Training

A training program for maintenance personnel in accordance with the minimum OSHA requirements should be implemented. OSHA has worker protection requirements that must be met by the employer if there is the potential for occupational exposure to lead at any level. Unlike the EPA and HUD, OSHA currently does not specify a minimum level, or concentration of lead in paint that triggers the requirements.

The maintenance staff, i.e., painters, plumbers, electricians, carpenters, etc., should be trained in safe work practices for lead paint. A training program should address worker safety (OSHA) and occupant protection (EPA and HUD) as well as provide lead safe work procedures. There are a variety of training courses designed to provide this information depending on the scope of the O&M Program.

Lead-Based Paint Visual Assessment Training
An online training course designed to assist maintenance personnel in the recognition of paint conditions and the identification of paint problems. The course takes approximately two hours to complete. The entire course is contained in the following seven downloadable files located at the following link:
http://www.hud.gov/lea/training/visualassessment/h00100.htm

Interim Controls / Lead-Safe Work Practices and Awareness Training
This training was developed by MIRCON, Inc. (CONNOR Environmental Services and Engineering Assessments) with support from HUD. This course teaches individuals how to perform interim controls, paint stabilization ongoing maintenance and standard treatments in accordance with the Lead Safe Housing Rule. The entire course is contained in the following seven downloadable files located at the following link:
http://www.hud.gov/lea/training/leadsafewp/leadsafewp.html

Lead-Based Paint Maintenance Training program (O&M LSWP)
Repair and maintenance workers who do painting and minor repairs. This 8-hour course is offered regionally and the fees are underwritten by HUD. Pre-registration is required to attend these courses. Announcements of the schedule and location can be found at the following link:
http://www.leadlisting.org/leadlisting/MasterTrainingList.nsf/Main?OpenPage

"Addressing Lead-Based Paint Hazards During Renovation, Remodeling and Rehabilitation in Federally Owned and Assisted Housing"
This is HUD's adaptation of EPA Model Curriculum for Remodelers and Renovators. This one-day training program is designed to teach lead-safe work practices for people doing remodeling/renovating and general rehabilitation workers such as dry wallers, painters, and carpenters. It is HUD's adaptation of the course developed by HUD and the National Association of the Remodeling Industry (NARI). This curriculum is available in MS PowerPoint for download and delivery. This course is available from the HUD Office of Healthy Homes and Lead Hazard Control web site located at the following link:
http://www.hud.gov/lea/training/rr/HUD_RR_COURSE.html

"Lead-Based Paint Maintenance Training: Work Smart, Work Wet, Work Clean to Work Lead-Safe"
This course teaches lead-safe work procedures specifically for maintenance workers and supervisors working in multi-family properties that have or may contain lead-based paint.

This curriculum available for purchase.

Contact:
National Environmental Training Association (NETA)
3020 East Camelback
Phoenix, Arizona 85016
602.956.6099

TAB 1

XRF Data Sheets

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
6									
7	NIST Standard				RED			Positive	1.1
8	NIST Standard				RED			Positive	1.3
9	NIST Standard				RED			Positive	1
10	CEILING	METAL		INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0
11	WALL	DRYWALL	A	INTACT	BEIGE	LIV/DIN	UNIT 23	Negative	0
12	WALL	DRYWALL	B	INTACT	BEIGE	LIV/DIN	UNIT 23	Negative	0
13	WALL	DRYWALL	C	INTACT	BEIGE	LIV/DIN	UNIT 23	Negative	0
14	DOOR	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0.2
15	DOOR FRAME	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0
16	WINDOW SILL	DRYWALL	A	INTACT	BEIGE	LIV/DIN	UNIT 23	Negative	0
17	BASEBOARD HEATER	METAL	A	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0
18	COVEBASE	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0
19	COVEBASE	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0.03
20	COVEBASE	WOOD	C	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0
21	COVEBASE	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0.01
22	CLOSET DOOR	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0
23	CLOSET DOOR FRAME	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 23	Negative	0.04
24	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 23	Negative	0
25	WALL	DRYWALL	B	INTACT	BLUE	KITCHEN	UNIT 23	Negative	0
26	WALL	DRYWALL	C	INTACT	BLUE	KITCHEN	UNIT 23	Negative	0
27	WALL	DRYWALL	D	INTACT	BEIGE	KITCHEN	UNIT 23	Negative	0.1
28	CABINET	WOOD	B	INTACT	WHITE	KITCHEN	UNIT 23	Negative	0
29	COVEBASE	WOOD	B	INTACT	WHITE	KITCHEN	UNIT 23	Negative	0
30	COVEBASE	WOOD	D	INTACT	WHITE	KITCHEN	UNIT 23	Negative	0
31	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 23	Negative	0
32	WALL	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 23	Negative	0.02
33	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 23	Negative	0
34	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 23	Negative	0
35	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 23	Negative	0.02
36	CABINET	WOOD	B	INTACT	WHITE	BATHROOM	UNIT 23	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
37	DOOR FRAME	WOOD	B	INTACT	WHITE	BATHROOM	UNIT 23	Negative	0
38	CABINET	WOOD	A	INTACT	WHITE	BATHROOM	UNIT 23	Negative	0
39	CEILING	DRYWALL		INTACT	WHITE	BEDROOM 1	UNIT 23	Negative	0.03
40	WALL	DRYWALL	A	INTACT	BEIGE	BEDROOM 1	UNIT 23	Negative	0
41	WALL	DRYWALL	B	INTACT	BEIGE	BEDROOM 1	UNIT 23	Negative	0
42	WALL	DRYWALL	C	INTACT	BEIGE	BEDROOM 1	UNIT 23	Negative	0
43	WALL	DRYWALL	D	INTACT	BEIGE	BEDROOM 1	UNIT 23	Negative	0
44	CLOSET DOOR	WOOD	A	INTACT	WHITE	BEDROOM 1	UNIT 23	Negative	0.4
45	DOOR	WOOD	D	INTACT	WHITE	BEDROOM 1	UNIT 23	Negative	0
46	WINDOW SILL	WOOD	B	INTACT	WHITE	BEDROOM 1	UNIT 23	Negative	0
47	BASEBOARD HEATER	METAL	B	INTACT	WHITE	BEDROOM 1	UNIT 23	Negative	0
48	CEILING	DRYWALL		INTACT	WHITE	BEDROOM 2	UNIT 23	Negative	0
49	WALL	DRYWALL	A	INTACT	BEIGE	BEDROOM 2	UNIT 23	Negative	0.3
50	WALL	DRYWALL	B	INTACT	BEIGE	BEDROOM 2	UNIT 23	Negative	0
51	WALL	DRYWALL	C	INTACT	BEIGE	BEDROOM 2	UNIT 23	Negative	0
52	WALL	DRYWALL	D	INTACT	BEIGE	BEDROOM 2	UNIT 23	Negative	0.3
53	CLOSET DOOR	WOOD	A	INTACT	WHITE	BEDROOM 2	UNIT 23	Negative	0
54	COVEBASE	WOOD	A	INTACT	WHITE	BEDROOM 2	UNIT 23	Negative	0
55	COVEBASE	WOOD	B	INTACT	WHITE	BEDROOM 2	UNIT 23	Negative	0
56	COVEBASE	WOOD	C	INTACT	WHITE	BEDROOM 2	UNIT 23	Negative	0.7
57	COVEBASE	WOOD	D	INTACT	WHITE	BEDROOM 2	UNIT 23	Negative	0
58	WINDOW SILL	WOOD	C	INTACT	WHITE	BEDROOM 2	UNIT 23	Negative	0
59	BASEBOARD HEATER	METAL	C	INTACT	WHITE	BEDROOM 2	UNIT 23	Negative	0.1
60	EXTERIOR SKIRT	CONCRETE	A	POOR	GRAY	BEDROOM 2	UNIT 23	Negative	0.1
61	EXTERIOR SKIRT	CONCRETE	B	POOR	GRAY	BEDROOM 2	UNIT 23	Negative	0
62	EXTERIOR SKIRT	CONCRETE	B	POOR	GRAY	BEDROOM 2	UNIT 23	Negative	0
63	EXTERIOR SKIRT	CONCRETE	B	POOR	GRAY	BEDROOM 2	UNIT 23	Negative	0
64	EXTERIOR WINDOW SILL	WOOD	A	POOR	WHITE	BEDROOM 2	UNIT 23	Negative	0.2
65	EXTERIOR WINDOW SILL	WOOD	D	POOR	WHITE	BEDROOM 2	UNIT 23	Negative	0
66	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 26	Negative	0
67	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 26	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
68	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 26	Negative	0
69	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 26	Negative	0
70	CABINET	WOOD	C	INTACT	BROWN	KITCHEN	UNIT 26	Negative	0.1
71	CEILING	DRYWALL		INTACT	WHITE	BEDROOM 1	UNIT 26	Negative	0
72	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM 1	UNIT 26	Negative	0.4
73	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM 1	UNIT 26	Negative	0
74	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM 1	UNIT 26	Negative	0
75	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM 1	UNIT 26	Neagtive	0
76	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 26	Negative	0.5
77	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 26	Negative	0
78	WALL	DRYWALL	A	INTACT	WHITE	LIV/DIN	UNIT 26	Negative	0
79	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 26	Negative	0
80	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 26	Negative	0
81	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 26	Negative	0.1
82	WINDOW SILL	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 26	Negative	0
83	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 26	Negative	0
84	WALL	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 26	Negative	0
85	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 26	Negative	0
86	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 26	Negative	0.1
87	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 26	Negative	0.2
88	DOOR	WOOD	A	INTACT	WHITE	BATHROOM	UNIT 26	Negative	0
89	DOOR FRAME	WOOD	A	INTACT	WHITE	BATHROOM	UNIT 26	Negative	0
90	DOOR	METAL	A	INTACT	WHITE	LIV/DIN	UNIT 7	Negative	0
91	DOOR FRAME	METAL	A	INTACT	WHITE	LIV/DIN	UNIT 7	Negative	0.3
92	DOOR FRAME	METAL	A	INTACT	WHITE	LIV/DIN	UNIT 7	Negative	0
93	WINDOW SILL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 7	Negative	0
94	COVEBASE	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 7	Negative	0
95	COVEBASE	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 7	Negative	0.1
96	COVEBASE	WOOD	C	INTACT	WHITE	LIV/DIN	UNIT 7	Negative	0
97	COVEBASE	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 7	Negative	0
98	WALL	DRYWALL	B	INTACT	GRAY	LIV/DIN	UNIT 7	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
99	WALL	DRYWALL	A	INTACT	GRAY	LIV/DIN	UNIT 7	Negative	0
100	WALL	DRYWALL	C	INTACT	GRAY	LIV/DIN	UNIT 7	Negative	0
101	WALL	DRYWALL	D	INTACT	GRAY	LIV/DIN	UNIT 7	Negative	0
102	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 7	Negative	0
103	WALL	DRYWALL	A	INTACT	GRAY	BEDROOM	UNIT 7	Negative	0
104	WALL	DRYWALL	B	INTACT	GRAY	BEDROOM	UNIT 7	Negative	0
105	WALL	DRYWALL	C	INTACT	GRAY	BEDROOM	UNIT 7	Negative	0
106	WINDOW SILL	WOOD	C	INTACT	WHITE	BEDROOM	UNIT 7	Negative	0
107	WALL	DRYWALL	D	INTACT	GRAY	BEDROOM	UNIT 7	Negative	0
108	DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 7	Negative	0
109	DOOR FRAME	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 7	Negative	0
110	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 7	Negative	0
111	WALL	DRYWALL	B	INTACT	GRAY	BATHROOM	UNIT 7	Negative	0
112	WALL	DRYWALL	A	INTACT	GRAY	BATHROOM	UNIT 7	Negative	0
113	WALL	DRYWALL	C	INTACT	GRAY	BATHROOM	UNIT 7	Negative	0
114	WALL	DRYWALL	D	INTACT	GRAY	BATHROOM	UNIT 7	Negative	0
115	DOOR	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 7	Negative	0
116	DOOR FRAME	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 7	Negative	0
117	SOFFIT	WOOD		POOR	BEIGE	BALCONY	UNIT 7	Negative	0.3
118	RAIL	WOOD	D	POOR	GREEN	BALCONY	UNIT 7	Negative	0
119	RAIL	WOOD	C	POOR	BEIGE	BALCONY	UNIT 7	Negative	0.01
120	TRIM	WOOD	C	POOR	BEIGE	BALCONY	UNIT 7	Negative	0
121	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 6	Negative	0
122	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 6	Negative	0
123	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 6	Negative	0
124	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 6	Negative	0
125	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 6	Negative	0
126	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 6	Negative	0.2
127	CABINET	WOOD	B	INTACT	WHITE	KITCHEN	UNIT 6	Negative	0
128	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 6	Negative	0
129	WALL	DRYWALL	A	INTACT	GRAY	LIV/DIN	UNIT 6	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
130	WALL	DRYWALL	B	INTACT	GRAY	LIV/DIN	UNIT 6	Negative	0
131	WALL	DRYWALL	C	INTACT	GRAY	LIV/DIN	UNIT 6	Negative	0
132	WALL	DRYWALL	D	INTACT	GRAY	LIV/DIN	UNIT 6	Negative	0
133	FLOOR	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 6	Negative	0
134	DOOR	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 6	Negative	0
135	DOOR FRAME	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 6	Negative	0
136	WINDOW SILL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 6	Negative	0
137	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
138	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
139	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
140	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
141	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
142	DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
143	DOOR FRAME	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
144	WINDOW SILL	WOOD	A	INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
145	BASEBOARD HEATER	METAL	A	INTACT	WHITE	BEDROOM	UNIT 6	Negative	0
146	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 6	Negative	0
147	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 6	Negative	0
148	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 6	Negative	0
149	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 6	Negative	0
150	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 6	Negative	0
151	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 6	Negative	0
152	POST	WOOD	D	POOR	BROWN	BALCONY	UNIT 6	Negative	0.01
153	SOFFIT	WOOD	D	POOR	WHITE	BALCONY	UNIT 6	Negative	0.4
154	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 9	Negative	0
155	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 9	Negative	0
156	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 9	Negative	0
157	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 9	Negative	0
158	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 9	Negative	0
159	CABINET	WOOD	B	INTACT	BROWN	KITCHEN	UNIT 9	Negative	0
160	CEILING	DRYWALL	B.	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
161	CEILING	DRYWALL	B.	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
162	CEILING	DRYWALL	B.	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
163	CEILING	DRYWALL	B.	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
164	CEILING	DRYWALL	B.	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
165	WALL	DRYWALL	A	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
166	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
167	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
168	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
169	WINDOW SILL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 9	Negative	0
170	HANDRAIL	WOOD	A	POOR	GREEN	BALCONY	UNIT 9	Negative	0
171	RAIL	WOOD	A	POOR	BROWN	BALCONY	UNIT 9	Negative	0
172	POLE	WOOD	A	POOR	GRAY	BALCONY	UNIT 9	Negative	0.03
173	SOFFIT	WOOD	A	POOR	GRAY	BALCONY	UNIT 9	Negative	0.01
174	SOFFIT	WOOD	A	POOR	GRAY	BALCONY	UNIT 9	Negative	0.01
175	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 9	Negative	0
176	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0
177	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0.07
178	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0
179	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0
180	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0
181	WINDOW SILL	WOOD	A	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0.03
182	CABINET	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0
183	DOOR FRAME	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0
184	CLOSET ROLL DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 9	Negative	0.01
185	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
186	WALL	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
187	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0.01
188	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
189	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
190	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0.03
191	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
192	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0.01
193	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0.01
194	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0.03
195	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
196	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
197	DOOR	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
198	DOOR	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
199	DOOR FRAME	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 9	Negative	0
200	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 10	Negative	0
201	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 10	Negative	0
202	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 10	Negative	0.03
203	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 10	Negative	0
204	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 10	Negative	0
205	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 10	Negative	0
206	SHUTTER CAL								
207	WALL	DRYWALL	A	INTACT	BEIGE	LIV/DIN	UNIT 10	Negative	0
208	WALL	DRYWALL	B	INTACT	BEIGE	LIV/DIN	UNIT 10	Negative	0
209	WALL	DRYWALL	C	INTACT	BEIGE	LIV/DIN	UNIT 10	Negative	0
210	WALL	DRYWALL	D	INTACT	BEIGE	LIV/DIN	UNIT 10	Negative	0
211	DOOR	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 10	Negative	0
212	DOOR FRAME	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 10	Negative	0.03
213	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 10	Negative	0
214	WALL	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 10	Negative	0
215	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 10	Negative	0
216	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 10	Negative	0
217	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 10	Negative	0
218	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 10	Negative	0
219	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 10	Negative	0
220	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 10	Negative	0.01
221	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 10	Negative	0
222	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 10	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
223								Negative	0
224								Negative	0.01
225									1.1
226	NIST STANDARD				RED			Positive	1.1
227	NIST STANDARD				RED			Positive	1.7
228	NIST STANDARD				RED			Positive	1.6
229	NIST STANDARD				RED			Positive	1.1
230	NIST STANDARD				RED			Positive	1.7
231	NIST STANDARD				RED			Negative	0.8
232	SUN DECK HANDRAIL	WOOD	B	PEELING	GREEN	EXTERIOR		Negative	0
233	SUN DECK STAIR TREAD	WOOD	B	PEELING	BEIGE	EXTERIOR		Negative	0
234	SUN DECK POLE	WOOD	B	PEELING	BEIGE	EXTERIOR		Negative	0
235	SHUTTER CAL								
236	WALL	DRYWALL	A	INTACTGF		KITCHEN	UNIT 13	Negative	0
237	WALL	DRYWALL	B	INTACT	GRAY	KITCHEN	UNIT 13	Negative	0.2
238	WALL	DRYWALL	C	INTACT	GRAY	KITCHEN	UNIT 13	Negative	0
239	Shutter CAL								
240	NIST Standard				RED			Positive	1.1
241	NIST Standard				RED			Positive	1.2
242	NIST Standard				RED			Positive	1.2
243	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 13	Negative	0
244	WALL	DRYWALL	B	INTACT	GRAY	KITCHEN	UNIT 13	Negative	0
245	WALL	DRYWALL	C	INTACT	GRAY	KITCHEN	UNIT 13	Negative	0
246	WALL	DRYWALL	D	INTACT	GRAY	KITCHEN	UNIT 13	Negative	0.01
247	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 13	Negative	0.03
248	WALL	DRYWALL	B	INTACT	GRAY	LIV/DIN	UNIT 13	Negative	0
249	WALL	DRYWALL	C	INTACT	GRAY	LIV/DIN	UNIT 13	Negative	0
250	WALL	DRYWALL	D	INTACT	GRAY	LIV/DIN	UNIT 13	Negative	0
251	DOOR	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 13	Negative	0
252	DOOR FRAME	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 13	Negative	0
253	BASEBOARD HEATER	METAL	A	INTACT	WHITE	LIV/DIN	UNIT 13	Negative	0.03

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
254	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 13	Negative	0
255	WALL	DRYWALL	B	INTACT	GRAY	BEDROOM	UNIT 13	Negative	0
256	WALL	DRYWALL	B	INTACT	GRAY	BEDROOM	UNIT 13	Negative	0
257	WALL	DRYWALL	C	INTACT	GRAY	BEDROOM	UNIT 13	Negative	0
258	WALL	DRYWALL	D	INTACT	GRAY	BEDROOM	UNIT 13	Negative	0
259	WINDOW SILL	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 13	Negative	0
260	DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 13	Negative	0
261	DOOR FRAME	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 13	Negative	0
262	CLOSET ROLL DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 13	Negative	0
263	CLOSET ROLL DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 13	Negative	0
264	BASEBOARD HEATER	METAL	A	INTACT	WHITE	BEDROOM	UNIT 13	Negative	0
265	CEILING	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 13	Negative	0
266	WALL	DRYWALL	,	INTACT	WHITE	BATHROOM	UNIT 13	Negative	0.02
267	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 13	Negative	0
268	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 13	Negative	0
269	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 13	Negative	0.03
270	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 13	Negative	0
271	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 13	Negative	0
272	WINDOW SILL	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 13	Negative	0
273	WINDOW SILL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 13	Negative	0
274	SOFFIT	WOOD	A	POOR	BEIGE	BALCONY	UNIT 13	Negative	0
275	HAND RAIL	WOOD	A	POOR	GREEN	BALCONY	UNIT 13	Negative	0
276	POST	WOOD	A	POOR	BEIGE	BALCONY	UNIT 13	Negative	0
277	TRIM	WOOD	B	POOR	BROWN	BALCONY	UNIT 13	Negative	0
278	HANDRAIL	WOOD	B	POOR	GREEN	BALCONY	UNIT 13	Negative	0
279	RAIL	WOOD	B	POOR	BEIGE	BALCONY	UNIT 13	Negative	0.02
280	DOOR	WOOD	D	INTACT	WHITE	BALCONY	UNIT 13	Negative	0.01
281	DOOR FRAME	WOOD	D	INTACT	BEIGE	BALCONY	UNIT 13	Negative	0.05
282	FRONT DOOR	WOOD	B	INTACT	GREEN	COMMON STAIRWELL	UNIT 13	Negative	0
283	FRONT DOOR FRAME	WOOD	B	INTACT	GREEN	COMMON STAIRWELL	UNIT 13	Negative	0
284	WALL	DRYWALL	A	INTACT	YELLOW	COMMON STAIRWELL	UNIT 13	Negative	0

LIV/DIN = Living room and Dining room are one combined space

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
285	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	UNIT 13	Negative	0
286	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	UNIT 13	Negative	0
287	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	UNIT 13	Negative	0
288	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	UNIT 13	Negative	0
289	HAND RAIL	WOOD	D	INTACT	GREEN	COMMON STAIRWELL	UNIT 13	Negative	0
290	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 15	Negative	0.02
291	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 15	Negative	0
292	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 15	Negative	0
293	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 15	Negative	0
294	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 15	Negative	0
295	DOOR	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
296	DOOR FRAME	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
297	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
298	WALL	DRYWALL	A	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
299	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
300	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0.02
301	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
302	WINDOW SILL	WOOD	C	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
303	WINDOW SILL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
304	DOOR	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
305	DOOR FRAME	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 15	Negative	0
306	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 15	Negative	0
307	WALL	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 15	Negative	0
308	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 15	Negative	0
309	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 15	Negative	0.03
310	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 15	Negative	0
311	DOOR	WOOD	A	INTACT	WHITE	BATHROOM	UNIT 15	Negative	0
312	FRAME	WOOD	A	INTACT	WHITE	BATHROOM	UNIT 15	Negative	0
313	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 15	Negative	0
314	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 15	Negative	0.02
315	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 15	Negative	0.03

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
316	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 15	Negative	0
317	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM	UNIT 15	Negative	0
318	DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 15	Negative	0
319	DOORFRAME	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 15	Negative	0
320	SOFFIT	WOOD		POOR	BEIGE	BALCONY	UNIT 15	Negative	0
321	HAND RAIL	WOOD	A	POOR	GREEN	BALCONY	UNIT 15	Negative	0
322	BALCONY RAIL	WOOD	A	POOR	BEIGE	BALCONY	UNIT 15	Negative	0
323	BALCONY DOOR	WOOD	A	INTACT	WHITE	BALCONY	UNIT 15	Negative	0
324	BALCONY DOOR FRAME	WOOD	A	INTACT	BEIGE	BALCONY	UNIT 15	Negative	0
325	EXTERIOR FRONT DOOR	WOOD	A	INTACT	GREEN	COMMON STAIRWELL	UNIT 15	Negative	0
326	EXTERIOR FRONT DOOR FRAME	WOOD	A	INTACT	GREEN	COMMON STAIRWELL	UNIT 15	Negative	0
327	WALL	DRYWALL	A	INTACT	YELLOW	COMMON STAIRWELL	UNIT 15	Negative	0
328	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	UNIT 15	Negative	0.03
329	HANDRAIL	WOOD	A	INTACT	GREEN	COMMON STAIRWELL	UNIT 15	Negative	0
330	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 12	Negative	0
331	WALL	DRYWALL	B	INTACT	GRAY	KITCHEN	UNIT 12	Negative	0
332	WALL	DRYWALL	A	INTACT	GRAY	KITCHEN	UNIT 12	Negative	0
333	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 12	Negative	0
334	WALL	DRYWALL	B	INTACT	GRAY	BATHROOM	UNIT 12	Negative	0
335	WALL	DRYWALL	C	INTACT	GRAY	BATHROOM	UNIT 12	Negative	0.03
336	WALL	DRYWALL	D	INTACT	GRAY	BATHROOM	UNIT 12	Negative	0
337	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 12	Negative	0
338	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 12	Negative	0
339	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 12	Negative	0
340	WALL	DRYWALL	B	INTACT	GRAY	BEDROOM	UNIT 12	Negative	0
341	WALL	DRYWALL	C	INTACT	GRAY	BEDROOM	UNIT 12	Negative	0
342	WALL	DRYWALL	D	INTACT	GRAY	BEDROOM	UNIT 12	Negative	0
343	WINDOW SILL	WOOD	C	INTACT	BEIGE	BEDROOM	UNIT 12	Negative	0
344	CABINET	WOOD	A	INTACT	BEIGE	BEDROOM	UNIT 12	Negative	0
345	DOOR FRAME	WOOD	A	INTACT	BEIGE	BEDROOM	UNIT 12	Negative	0
346	SOFIT	WOOD	A	POOR	WHITE	BALCONY	UNIT 12	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
347	HAND RAIL	WOOD	C	POOR	GREEN	BALCONY	UNIT 12	Negative	0
348	RAIL	WOOD	B	POOR	BEIGE	BALCONY	UNIT 12	Negative	0.01
349	PATIO DOOR	WOOD	D	INTACT	BEIGE	BALCONY	UNIT 12	Negative	0
350	PATIO DOOR FRAME	WOOD	D	INTACT	BEIGE	BALCONY	UNIT 12	Negative	0
351	DOOR	WOOD	B	INTACT	WHITE	EXTERIOR	UNIT 12	Negative	0
352	DOOR FRAME	WOOD	B	INTACT	WHITE	EXTERIOR	UNIT 12	Negative	0
353	SHUTTER CAL								
354	NIST				RED			Positive	1.1
355	NIST				RED			Positve	1.1
356	NIST				RED			Positive	1.3
357	NIST				RED			Positive	0.9
358	NIST				RED			Positive	1.2
359	NIST				RED			Positive	1.2
360	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 14	Negative	0
361	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 14	Negative	0
362	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 14	Negative	0
363	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 14	Negative	0
364	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 14	Negative	0
365	CABINET	WOOD	D	INTACT	WHITE	KITCHEN	UNIT 14	Negative	0
366	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
367	WALL	DRYWALL	A	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
368	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
369	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0.02
370	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
371	WINDOW	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
372	BASEBOARD HEATER	METAL	D	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
373	COVEBASE	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
374	COVEBASE	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0.03
375	DOOR	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
376	DOOR FRAME	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 14	Negative	0
377	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 14	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
378	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0.02
379	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0.03
380	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0
381	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0
382	WINDOW SILL	WOOD	A	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0
383	BASEBOARD HEATER	METAL	A	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0
384	COVEBASE	WOOD	A	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0
385	COVEBASE	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0
386	DOOR	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0
387	DOOR FRAME	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0
388	CLOSET ROLL DOOR	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 14	Negative	0.02
389	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 14	Negative	0
390	WALL	DRYWALL	A	INTACT	GRAY	BATHROOM	UNIT 14	Negative	0
391	WALL	DRYWALL	B	INTACT	GRAY	BATHROOM	UNIT 14	Negative	0
392	WALL	DRYWALL	C	INTACT	GRAY	BATHROOM	UNIT 14	Negative	0
393	WALL	DRYWALL	D	INTACT	GRAY	BATHROOM	UNIT 14	Negative	0
394	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 14	Negative	0.01
395	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 14	Negative	0
396	SOFFIT	WOOD		POOR	WHITE	BALCONY	UNIT 14	Negative	0
397	HANDRAIL	WOOD	B	POOR	GREEN	BALCONY	UNIT 14	Negative	0
398	POLE	WOOD	B	POOR	BEIGE	BALCONY	UNIT 14	Negative	0
399	POLE	WOOD	B	POOR	BEIGE	BALCONY	UNIT 14	Negative	0
400	RAIL	WOOD	A	POOR	BEIGE	BALCONY	UNIT 14	Negative	0
401	RAIL	WOOD	A	POOR	BEIGE	BALCONY	UNIT 14	Negative	0
402	DOOR	WOOD	A	INTACT	WHITE	BALCONY	UNIT 14	Negative	0
403	DOOR FRAME	WOOD	A	INTACT	WHITE	BALCONY	UNIT 14	Negative	0
404	FRONT DOOR	WOOD	A	INTACT	WHITE	EXTERIOR	UNIT 14	Negative	0
405	FRONT DOOR FRAME	WOOD	A	INTACT	WHITE	EXTERIOR	UNIT 14	Negative	0
406	WAll	WOOD	A	INTACT	YELLOW	COMMON STAIRWELL	UNIT 14	Negative	0
407	WALL	WOOD	B	INTACT	YELLOW	COMMON STAIRWELL	UNIT 14	Negative	0
408	WALL	WOOD	D	INTACT	YELLOW	COMMON STAIRWELL	UNIT 14	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
409	HANDRAIL	WOOD	D	INTACT	GREEN	COMMON STAIRWELL	UNIT 14	Negative	0
410	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 29	Negative	0.03
411	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 29	Negative	0
412	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 29	Negative	0
413	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 29	Negative	0
414	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 29	Negative	0
415	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 29	Negative	0
416	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
417	WALL	DRYWALL	A	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
418	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
419	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0.02
420	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
421	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
422	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
423	WINDOW SIL	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0.03
424	WINDOW SIL	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
425	DOOR	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
426	DOOR	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
427	DOOR FRAME	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0.02
428	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 29	Negative	0
429	WALL	DRYWALL	A	INTACT	GRAY	BATHROOM	UNIT 29	Negative	0
430	WALL	DRYWALL	B	INTACT	GRAY	BATHROOM	UNIT 29	Negative	0
431	WALL	DRYWALL	C	INTACT	GRAY	BATHROOM	UNIT 29	Negative	0
432	WALL	DRYWALL	D	INTACT	GRAY	BATHROOM	UNIT 29	Negative	0
433	DOOR	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 29	Negative	0
434	DOOR FRAME	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 29	Negative	0
435	CEILING	DRYWALL		INTACT	WHITE	BEDROOM 1	UNIT 29	Negative	0.03
436	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM 1	UNIT 29	Negative	0
437	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM 1	UNIT 29	Negative	0
438	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM 1	UNIT 29	Negative	0
439	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM 1	UNIT 29	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
440	CLOSET DOOR	WOOD	A	INTACT	WHITE	BEDROOM 1	UNIT 29	Negative	0
441	CEILING	DRYWALL		INTACT	WHITE	BEDROOM 2	UNIT 29	Negative	0
442	WALL	DRYWALL	A	INTACT	GRAY	BEDROOM 2	UNIT 29	Negative	0
443	WALL	DRYWALL	B	INTACT	GRAY	BEDROOM 2	UNIT 29	Negative	0
444	WALL	DRYWALL	C	INTACT	GRAY	BEDROOM 2	UNIT 29	Negative	0
445	WALL	DRYWALL	D	INTACT	GRAY	BEDROOM 2	UNIT 29	Negative	0
446	WINDOW SILL	WOOD	D	INTACT	WHITE	BEDROOM 2	UNIT 29	Negative	0
447	DOOR	WOOD	D	INTACT	WHITE	BEDROOM 2	UNIT 29	Negative	0
448	DOOR FRAME	WOOD	D	INTACT	WHITE	BEDROOM 2	UNIT 29	Negative	0
449	WINDOW FRAME	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
450	DOOR	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0
451	DOOR FRAME	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 29	Negative	0.01
452	EXTERIOR FRONT DOOR	WOOD	B	INTACT	GREEN	EXTERIOR	UNIT 29	Negative	0
453	EXTERIOR FRONT DOOR FRAME	WOOD	B	INTACT	GREEN	EXTERIOR	UNIT 29	Negative	0
454	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	UNIT 29	Negative	0
455	WALL	DRYWALL	A	INTACT	YELLOW	COMMON STAIRWELL	UNIT 29	Negative	0
456	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	UNIT 29	Negative	0.01
457	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	UNIT 29	Negative	0
458	HANDRAIL	WOOD	C	INTACT	GREEN	COMMON STAIRWELL	UNIT 29	Negative	0
459	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 22	Negative	0
460	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 22	Negative	0.02
461	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 22	Negative	0
462	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 22	Negative	0
463	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 22	Negative	0
464	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 22	Negative	0
465	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 22	Negative	0
466	WALL	DRYWALL	A	INTACT	ORANGE	LIV/DIN	UNIT 22	Negative	0
467	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 22	Negative	0
468	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 22	Negative	0
469	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 22	Negative	0
470	DOOR	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 22	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
471	DOOR FRAME	WOOD	D	INTACT	WHITE	LIV/DIN	UNIT 22	Negative	0
472	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 22	Negative	0
473	WALL	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 22	Negative	0
474	WALL	DRYWALL	B	INTACT	ORANGE	BATHROOM	UNIT 22	Negative	0
475	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 22	Negative	0.01
476	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 22	Negative	0.02
477	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 22	Negative	0
478	CEILING	DRYWALL	DM	INTACT	GRAY	BEDROOM 1	UNIT 22	Negative	0
479	WALL	DRYWALL	A	INTACT	GRAY	BEDROOM 1	UNIT 22	Negative	0
480	WALL	DRYWALL	B	INTACT	GRAY	BEDROOM 1	UNIT 22	Negative	0
481	WALL	DRYWALL	C	INTACT	GRAY	BEDROOM 1	UNIT 22	Negative	0.01
482	WALL	DRYWALL	D	INTACT	GRAY	BEDROOM 1	UNIT 22	Negative	0
483	CEILING	DRYWALL		INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
484	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
485	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
486	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
487	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
488	DOOR	WOOD	C	INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
489	DOOR FRAME	WOOD	C	INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
490	WINDOW SILL	WOOD	C	INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
491	CLOSET ROLL DOOR	WOOD	C	INTACT	WHITE	BEDROOM 2	UNIT 22	Negative	0
492	SHUTTER CAL								
493	NIST				RED			Negative	0.9
494	NIST				RED			Positive	1
495	NIST				RED			Positive	1.1
496	NIST				RED			Positive	1
497	CEILING	DRYWALL		INTACT	BEIGE	KITCHEN	UNIT 1	Negative	0
498	WALL	DRYWALL	B	INTACT	GRAY	KITCHEN	UNIT 1	Negative	0
499	WALL	DRYWALL	C	INTACT	GRAY	KITCHEN	UNIT 1	Negative	0
500	WALL	DRYWALL	D	INTACT	GRAY	KITCHEN	UNIT 1	Negative	0
501	WINDOW SILL	WOOD	C	INTACT	GRAY	KITCHEN	UNIT 1	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
502	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 1	Negative	0
503	WALL	DRYWALL	A	INTACT	WHITE	LIV/DIN	UNIT 1	Negative	0.02
504	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 1	Negative	0
505	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 1	Negative	0
506	DOOR	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 1	Negative	0.01
507	DOOR FRAME	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 1	Negative	0
508	WINDOW SILL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 1	Negative	0
509	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 1	Negative	0
510	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 1	Negative	0
511	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 1	Negative	0
512	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 1	Negative	0
513	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 1	Negative	0.03
514	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 1	Negative	0
515	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 1	Negative	0
516	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 1	Negative	0.2
517	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 1	Negative	0
518	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 1	Negative	0
519	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 1	Negative	0
520	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM	UNIT 1	Negative	0
521	WINDOW SILL	WOOD	A	INTACT	WHITE	BEDROOM	UNIT 1	Negative	0
522	DOOR	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 1	Negative	0
523	DOOR FRAME	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 1	Negative	0
524	SOFFIT	WOOD		POOR	WHITE	BALCONY	UNIT 1	Negative	0
525	POLE	WOOD	B	POOR	WHITE	BALCONY	UNIT 1	Negative	0
526	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 2	Negative	0
527	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 2	Negative	0
528	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 2	Negative	0
529	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 2	Negative	0
530	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 2	Negative	0
531	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 2	Negative	0
532	WALL	DRYWALL	A	INTACT	WHITE	LIV/DIN	UNIT 2	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
533	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 2	Negative	0
534	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 2	Negative	0
535	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 2	Negative	0
536	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 2	Negative	0
537	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 2	Negative	0
538	DOOR	WOOD	A	INTACT	BROWN	LIV/DIN	UNIT 2	Negative	0
539	DOOR FRAME	WOOD	A	INTACT	BROWN	LIV/DIN	UNIT 2	Negative	0
540	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 2	Negative	0.01
541	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 2	Negative	0.02
542	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 2	Negative	0
543	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 2	Negative	0
544	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM	UNIT 2	Negative	0
545	WINDOW SILL	WOOD	A	INTACT	WHITE	BEDROOM	UNIT 2	Negative	0.01
546	DOOR	WOOD	D	INTACT	BROWN	BEDROOM	UNIT 2	Negative	0
547	DOOR FRAME	WOOD	D	INTACT	BROWN	BEDROOM	UNIT 2	Negative	0
548	WALL	DRYWALL	A	INTACT	BEIGE	BATHROOM	UNIT 2	Negative	0
549	WALL	DRYWALL	B	INTACT	BEIGE	BATHROOM	UNIT 2	Negative	0
550	WALL	DRYWALL	C	INTACT	BEIGE	BATHROOM	UNIT 2	Negative	0
551	WALL	DRYWALL	D	INTACT	BEIGE	BATHROOM	UNIT 2	Negative	0
552	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 2	Negative	0
553	DOOR	WOOD	C	INTACT	BROWN	BATHROOM	UNIT 2	Negative	0.01
554	DOOR FRAME	WOOD	C	INTACT	BROWN	BATHROOM	UNIT 2	Negative	0
555	PORCH SOFFIT	WOOD		INTACT	BROWN	BALCONY	UNIT 2	Negative	0
556	HANDRAIL	WOOD	B	POOR	GREEN	BALCONY	UNIT 2	Negative	0
557	RAIL	WOOD	A	POOR	BROWN	BALCONY	UNIT 2	Negative	0
558	DOOR	WOOD	A	INTACT	BROWN	EXTERIOR	UNIT 2	Negative	0
559	SHUTTER CAL								
560	NIST				RED			Positive	1.7
561	NIST				RED			Positive	1.1
562	NIST				RED			Positive	1.1
563	CEILING	DRYWALL		INTACT	WHITE		UNIT 3	Negative	0

LIV/DIN = Living room and Dining room are one combined space

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
564	WALL	DRYWALL	A	INTACT	WHITE		UNIT 3	Negative	0
565	WALL	DRYWALL	B	INTACT	WHITE		UNIT 3	Negative	0
566	WALL	DRYWALL	C	INTACT	WHITE		UNIT 3	Negative	0
567	WALL	DRYWALL	D	INTACT	WHITE		UNIT 3	Negative	0
568	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 3	Negative	0
569	WALL	DRYWALL	A	INTACT	WHITE	LIV/DIN	UNIT 3	Negative	0
570	WALL	DRYWALL	B	INTACT	WHITE	LIV/DIN	UNIT 3	Negative	0
571	WALL	DRYWALL	C	INTACT	WHITE	LIV/DIN	UNIT 3	Negative	0
572	WALL	DRYWALL	D	INTACT	WHITE	LIV/DIN	UNIT 3	Negative	0
573	DOOR	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 3	Negative	0
574	DOOR FRAME	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 3	Negative	0
575	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 3	Negative	0
576	WALL	DRYWALL	B	INTACT	BEIGE	BEDROOM	UNIT 3	Negative	0
577	WALL	DRYWALL	C	INTACT	BEIGE	BEDROOM	UNIT 3	Negative	0
578	WALL	DRYWALL	D	INTACT	BEIGE	BEDROOM	UNIT 3	Negative	0
579	DOOR	WOOD	D	INTACT	BEIGE	BEDROOM	UNIT 3	Negative	0
580	DOOR FRAME	WOOD	D	INTACT	BEIGE	BEDROOM	UNIT 3	Negative	0
581	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 3	Negative	0
582	WALL	DRYWALL	A	INTACT	BEIGE	BATHROOM	UNIT 3	Negative	0
583	WALL	DRYWALL	B	INTACT	BEIGE	BATHROOM	UNIT 3	Negative	0
584	WALL	DRYWALL	C	INTACT	BEIGE	BATHROOM	UNIT 3	Negative	0.01
585	WALL	DRYWALL	D	INTACT	BEIGE	BATHROOM	UNIT 3	Negative	0
586	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 3	Negative	0
587	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 3	Negative	0.01
588	WINDOW SILL	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 3	Negative	0
589	WINDOW SILL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 3	Negative	0
590	PORCH SOFFIT	WOOD		PEELING	WHITE	EXTERIOR	UNIT 3	Negative	0
591	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 4	Negative	0
592	WALL	DRYWALL	A	INTACT	BEIGE	LIV/DIN	UNIT 4	Negative	0
593	WALL	DRYWALL	B	INTACT	BEIGE	LIV/DIN	UNIT 4	Negative	0
594	WALL	DRYWALL	C	INTACT	BEIGE	LIV/DIN	UNIT 4	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
595	WALL	DRYWALL	D	INTACT	BEIGE	LIV/DIN	UNIT 4	Negative	0
596	WINDOW SILL	WOOD	C	INTACT	WHITE	LIV/DIN	UNIT 4	Negative	0
597	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 4	Negative	0
598	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 4	Negative	0
599	WALL	DRYWALL	A	INTACT	BEIGE	KITCHEN	UNIT 4	Negative	0
600	WALL	DRYWALL	A	INTACT	BEIGE	KITCHEN	UNIT 4	Negative	0
601	WALL	DRYWALL	A	INTACT	BEIGE	KITCHEN	UNIT 4	Negative	0
602	WALL	DRYWALL	B	INTACT	BEIGE	KITCHEN	UNIT 4	Negative	0
603	WALL	DRYWALL	B	INTACT	BEIGE	KITCHEN	UNIT 4	Negative	0
604	WALL	DRYWALL	C	INTACT	BEIGE	KITCHEN	UNIT 4	Negative	0
605	WALL	DRYWALL	D	INTACT	BEIGE	KITCHEN	UNIT 4	Negative	0.04
606	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 4	Negative	0
607	WALL	DRYWALL	B	INTACT	GRAY	BATHROOM	UNIT 4	Negative	0
608	WALL	DRYWALL	C	INTACT	GRAY	BATHROOM	UNIT 4	Negative	0
609	WALL	DRYWALL	D	INTACT	GRAY	BATHROOM	UNIT 4	Negative	0
610	CABINET	WOOD	D	CHIPPED	WHITE	BATHROOM	UNIT 4	Negative	0.11
611	CABINET	WOOD	D	CHIPPED	WHITE	BATHROOM	UNIT 4	Negative	0
612	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 4	Negative	0
613	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 4	Negative	0
614	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 4	Negative	0.02
615	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 4	Negative	0.02
616	WALL	DRTWALL	C	INTACT	WHITE	BEDROOM	UNIT 4	Negative	0
617	DOOR	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 4	Negative	0
618	DOOR	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 4	Negative	0
619	WINDOW SILL	WOOD	A	INTACT	WHITE	BEDROOM	UNIT 4	Negative	0
620	WINDOW SILL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 4	Negative	0.01
621	WINDOW SILL	WOOD	C	INTACT	WHITE	LIV/DIN	UNIT 4	Negative	0
622	PORCH SOFFIT	WOOD		PEELING	WHITE	EXTERIOR	UNIT 4	Negative	0
623	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 5	Negative	0
624	WALL	DRYWALL	A	INTACT	BEIGE	KITCHEN	UNIT 5	Negative	0
625	WALL	DRYWALL	B	INTACT	BEIGE	KITCHEN	UNIT 5	Negative	0.04

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
626	WALL	DRYWALL	C	INTACT	BEIGE	KITCHEN	UNIT 5	Negative	0
627	WALL	DRYWALL	D	INTACT	BEIGE	KITCHEN	UNIT 5	Negative	0
628	CEILING	DRYWALL		INTACT	BEIGE	LIV/DIN	UNIT 5	Neagtive	0
629	CEILING	DRYWALL		INTACT	BEIGE	LIV/DIN	UNIT 5	Negative	0.01
630	WALL	DRYWALL	A	INTACT	BEIGE	LIV/DIN	UNIT 5	Negative	0
631	WALL	DRYWALL	B	INTACT	BEIGE	LIV/DIN	UNIT 5	Negative	0
632	WALL	DRYWALL	C	INTACT	BEIGE	LIV/DIN	UNIT 5	Negative	0
633	WALL	DRYWALL	D	INTACT	BEIGE	LIV/DIN	UNIT 5	Negative	0.04
634	WALL	DRYWALL	D	INTACT	BEIGE	LIV/DIN	UNIT 5	Negative	0
635	DOOR	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 5	Negative	0
636	DOOR FRAME	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 5	Negative	0
637	WINDOW SIL	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 5	Negative	0
638	WINDOW SIL	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 5	Negative	0
639	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 5	Negative	0
640	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 5	Negative	0
641	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 5	Negative	0
642	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 5	Negative	0
643	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM	UNIT 5	Negative	0.02
644	WINDOW SILL	WOOD	A	INTACT	WHITE	BEDROOM	UNIT 5	Negative	0
645	DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 5	Negative	0
646	CLOSET ROLL DOOR	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 5	Negative	0
647	DOOR FRAME	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 5	Negative	0
648	CEILING	DRYWALL		INTACT	WHITE	BATHROOM	UNIT 5	Negative	0.01
649	WALL	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 5	Negative	0
650	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 5	Negative	0
651	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 5	Negative	0
652	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 5	Negative	0
653	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 5	Negative	0.05
654	CABINET	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 5	Negative	0.05
655	DOOR FRAME	WOOD	C	INTACT	WHITE	BATHROOM	UNIT 5	Negative	0
656	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 8	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
657	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 8	Negative	0.5
658	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 8	Negative	0
659	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 8	Negative	0
660	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 8	Negative	0
661	CEILING	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 8	Negative	0
662	WALL	DRYWALL	B	INTACT	GRAY	KITCHEN	UNIT 8	Negative	0
663	WALL	DRYWALL	C	INTACT	GRAY	KITCHEN	UNIT 8	Negative	0.01
664	WALL	DRYWALL	D	INTACT	GRAY	KITCHEN	UNIT 8	Negative	0
665	DOOR	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 8	Negative	0
666	DOOR FRAME	WOOD	A	INTACT	WHITE	LIV/DIN	UNIT 8	Negative	0
667	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 8	Negative	0.02
668	WALL	DRYWALL	A	INTACT	GRAY	BEDROOM	UNIT 8	Negative	0.01
669	WALL	DRYWALL	A	INTACT	GRAY	BEDROOM	UNIT 8	Negative	0
670	WALL	DRYWALL	B	INTACT	GRAY	BEDROOM	UNIT 8	Negative	0
671	WALL	DRYWALL	C	INTACT	GRAY	BEDROOM	UNIT 8	Negative	0
672	WALL	DRYWALL	D	INTACT	GRAY	BEDROOM	UNIT 8	Negative	0
673	WINDOW SILL	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 8	Negative	0.01
674	WINDOW FRAME	WOOD	B	INTACT	WHITE	BEDROOM	UNIT 8	Negative	0
675	DOOR	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 8	Negative	0
676	DOOR FRAME	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 8	Negative	0
677	CEILING	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 8	Negative	0
678	WALL	DRYWALL	A	INTACT	WHITE	BATHROOM	UNIT 8	Negative	0
679	WALL	DRYWALL	B	INTACT	WHITE	BATHROOM	UNIT 8	Negative	0
680	WALL	DRYWALL	C	INTACT	WHITE	BATHROOM	UNIT 8	Negative	0
681	WALL	DRYWALL	D	INTACT	WHITE	BATHROOM	UNIT 8	Negative	0
682	DOOR	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 8	Negative	0.01
683	DOOR FRAME	WOOD	D	INTACT	WHITE	BATHROOM	UNIT 8	Negative	0
684	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
685	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
686	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
687	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
688	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
689	WINDOW SILL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0.04
690	CEILING	DRYWALL		INTACT	WHITE	LIV/DIN	UNIT 11	Negative	0
691	WALL	DRYWALL	B	INTACT	GRAY	LIV/DIN	UNIT 11	Negative	0
692	WALL	DRYWALL	A	INTACT	GRAY	LIV/DIN	UNIT 11	Negative	0
693	WALL	DRYWALL	C	INTACT	GRAY	LIV/DIN	UNIT 11	Negative	0
694	DOOR	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 11	Negative	0
695	FRAME	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 11	Negative	0.02
696	WINDOW SILL	WOOD	B	INTACT	WHITE	LIV/DIN	UNIT 11	Negative	0
697	WINDOW SILL	WOOD	C	INTACT	WHITE	LIV/DIN	UNIT 11	Negative	0
698	CEILING	DRYWALL		INTACT	WHITE	BEDROOM	UNIT 11	Negative	0
699	WALL	DRYWALL	A	INTACT	WHITE	BEDROOM	UNIT 11	Negative	0.04
700	WALL	DRYWALL	B	INTACT	WHITE	BEDROOM	UNIT 11	Negative	0
701	WALL	DRYWALL	C	INTACT	WHITE	BEDROOM	UNIT 11	Negative	0
702	WALL	DRYWALL	D	INTACT	WHITE	BEDROOM	UNIT 11	Negative	0
703	DOOR	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 11	Negative	0
704	DOOR FRAME	WOOD	D	INTACT	WHITE	BEDROOM	UNIT 11	Negative	0
705	CEILING	DRYWALL		INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
706	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0.02
707	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0.04
708	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
709	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
710	DOOR	WOOD	D	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
711	DOOR FRAME	WOOD	D	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
712	CABINET	WOOD	B	INTACT	WHITE	KITCHEN	UNIT 11	Negative	0
713	SHUTTER CAL								
714	NIST							Positive	1.1
715	NIST							Positive	1.6
716	NIST							Positive	2
717	NIST							Positive	1.1
718	NIST							Positive	1.5

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
719	NIST							Positive	1.9
720	CEILING	DRYWALL		FAIR	WHITE	STORAGE	BUILDING 1	Negative	0
721	WALL	CONCRETE	A	INTACT	WHITE	STORAGE	BUILDING 1	Negative	0
722	WALL	CONCRETE	B	INTACT	WHITE	STORAGE	BUILDING 1	Negative	0
723	WALL	CONCRETE	C	INTACT	WHITE	STORAGE	BUILDING 1	Negative	0
724	WALL	CONCRETE	D	INTACT	WHITE	STORAGE	BUILDING 1	Negative	0.01
725	COLUMN	WOOD	B	INTACT	WHITE	STORAGE	BUILDING 1	Negative	0
726	WALL	WOOD	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 1	Negative	0
727	DOOR	METAL	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 1	Negative	0
728	DOOR FRAME	METAL	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 1	Negative	0
729	CEILING	DRYWALL		INTACT	WHITE	COMMON STAIRWELL	BUILDING 1	Negative	0
730	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 1	Negative	0
731	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 1	Negative	0
732	HANDRAIL	WOOD	B	INTACT	GREEN	COMMON STAIRWELL	BUILDING 1	Negative	0
733	HANDRAIL	WOOD	D	INTACT	GREEN	COMMON STAIRWELL	BUILDING 1	Negative	0
734	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 1	Negative	0
735	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 1	Negative	0
736	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 1	Negative	0
737	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 1	Negative	0.04
738	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 1	Negative	0
739	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 1	Negative	0
740	SIDING	WOOD	B	INTACT	BROWN	COMMON STAIRWELL	BUILDING 1	Negative	0
741	SIDING	WOOD	B	INTACT	BROWN	COMMON STAIRWELL	BUILDING 1	Negative	0
742	SIDING	WOOD	B	INTACT	BROWN	COMMON STAIRWELL	BUILDING 1	Negative	0
743	TRIM	WOOD	B	INTACT	WHITE	EXTERIOR	BUILDING 1	Negative	0
744	SKIRT	CONCRETE	A	INTACT	GRAY	EXTERIOR	BUILDING 1	Negative	0.04
745	SKIRT	CONCRETE	B	INTACT	GRAY	EXTERIOR	BUILDING 1	Negative	0
746	SKIRT	CONCRETE	C	INTACT	GRAY	EXTERIOR	BUILDING 1	Negative	0
747	SKIRT	CONCRETE	D	INTACT	GRAY	EXTERIOR	BUILDING 1	Negative	0.07
748	DRAIN	METAL	C	INTACT	BEIGE	EXTERIOR	BUILDING 1	Negative	0
749	CEILING	DRYWALL		INTACT	WHITE	LAUNDRY	BUILDING 2	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
750	WALL	CONCRETE	A	INTACT	WHITE	LAUNDRY	BUILDING 2	Negative	0
751	WALL	CONCRETE	C	INTACT	WHITE	LAUNDRY	BUILDING 2	Negative	0.01
752	WALL	CONCRETE	D	INTACT	WHITE	LAUNDRY	BUILDING 2	Negative	0
753	FLOOR	CONCRETE		INTACT	GRAY	LAUNDRY	BUILDING 2	Negative	0
754	COLUMN	WOOD		INTACT	WHITE	LAUNDRY	BUILDING 2	Negative	0.05
755	BEAM	WOOD		INTACT	WHITE	LAUNDRY	BUILDING 2	Negative	0
756	CEILING	DRYWALL		INTACT	WHITE	COMMON STAIRWELL	BUILDING 2	Negative	0
757	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0.02
758	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0
759	DOOR	METAL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 2	Negative	0
760	DOOR FRAME	METAL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 2	Negative	0
761	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0
762	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0
763	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0.06
764	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0
765	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0
766	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0.01
767	HAND RAIL	WOOD		INTACT	GREEN	COMMON STAIRWELL	BUILDING 2	Negative	0
768	HAND RAIL	WOOD		INTACT	GREEN	COMMON STAIRWELL	BUILDING 2	Negative	0
769	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0
770	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 2	Negative	0.01
771	DOOR	METAL	A	INTACT	WHITE	EXTERIOR	BUILDING 2	Negative	0
772	DOOR FRAME	METAL	A	INTACT	WHITE	EXTERIOR	BUILDING 2	Negative	0
773	TRIM	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 2	Negative	0
774	SIDING	WOOD	A	INTACT	BROWN	EXTERIOR	BUILDING 2	Negative	0
775	SKIRT	CONCRETE	B	PEELING	GRAY	EXTERIOR	BUILDING 2	Negative	0
776	SKIRT	CONCRETE	C	PEELING	GRAY	EXTERIOR	BUILDING 2	Negative	0
777	SKIRT	CONCRETE	C	PEELING	GRAY	EXTERIOR	BUILDING 2	Negative	0.03
778	SKIRT	CONCRETE	C	PEELING	GRAY	EXTERIOR	BUILDING 2	Negative	0.02
779	DRAIN	METAL	C	INTACT	GRAY	EXTERIOR	BUILDING 2	Negative	0
780	SKIRT	CONCRETE	C	PEELING	GRAY	EXTERIOR	BUILDING 2	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
781	CEILING	DRYWALL		INTACT	WHITE	STORAGE	BUILDING 3	Negative	0
782	WALL	CONCRETE	A	INTACT	WHITE	STORAGE	BUILDING 3	Negative	0
783	WALL	CONCRETE	B	INTACT	WHITE	STORAGE	BUILDING 3	Negative	0
784	WALL	CONCRETE	C	INTACT	WHITE	STORAGE	BUILDING 3	Negative	0
785	WALL	CONCRETE	D	INTACT	WHITE	STORAGE	BUILDING 3	Negative	0
786	COLUMN	WOOD		INTACT	WHITE	STORAGE	BUILDING 3	Negative	0
787	BEAM	WOOD		INTACT	WHITE	STORAGE	BUILDING 3	Negative	0
788	FLOOR	CONCRETE		PEELING	GRAY	STORAGE	BUILDING 3	Negative	0
789	DOOR	METAL	A	INTACT	BEIGE	COMMON STAIRWELL	BUILDING 3	Negative	0
790	FRAME	METAL	A	INTACT	BEIGE	COMMON STAIRWELL	BUILDING 3	Negative	0
791	WALL	WOOD	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 3	Negative	0
792	WALL	DRYWALL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 3	Negative	0.04
793	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 3	Negative	0
794	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 3	Negative	0.01
795	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 3	Negative	0
796	HANDRAIL	WOOD		INTACT	GREEN	COMMON STAIRWELL	BUILDING 3	Negative	0
797	DOOR	METAL	A	INTACT	WHITE	EXTERIOR	BUILDING 3	Negative	0
798	DOOR FRAME	METAL	A	INTACT	WHITE	EXTERIOR	BUILDING 3	Negative	0
799	TRIM	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 3	Negative	0
800	SIDING	WOOD	A	INTACT	BROWN	EXTERIOR	BUILDING 3	Negative	0
801	SKIRT	CONCRETE	A	PEELING	GRAY	EXTERIOR	BUILDING 3	Negative	0.01
802	SKIRT	CONCRETE	B	PEELING	GRAY	EXTERIOR	BUILDING 3	Negative	0.04
803	DRAIN	METAL	B	INTACT	GRAY	EXTERIOR	BUILDING 3	Negative	0
804	SKIRT	CONCRETE	C	PEELING	GRAY	EXTERIOR	BUILDING 3	Negative	0
805	SKIRT	CONCRETE	D	PEELING	GRAY	EXTERIOR	BUILDING 3	Negative	0
806	CEILING	DRYWALL		INTACT	WHITE	STORAGE	BUILDING 4	Negative	0
807	WALL	CONCRETE	B	INTACT	WHITE	STORAGE	BUILDING 4	Negative	0
808	WALL	CONCRETE	C	INTACT	WHITE	STORAGE	BUILDING 4	Negative	0
809	WALL	CONCRETE	D	INTACT	WHITE	STORAGE	BUILDING 4	Negative	0
810	COLUMN	WOOD		INTACT	WHITE	STORAGE	BUILDING 4	Negative	0.07
811	BEAM	WOOD		INTACT	WHITE	STORAGE	BUILDING 4	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
812	DOOR	METAL	B	INTACT	WHITE	STORAGE	BUILDING 4	Negative	0
813	DOORFRAME	METAL	B	INTACT	WHITE	STORAGE	BUILDING 4	Negative	0
814	CEILING	DRYWALL		INTACT	WHITE	COMMON STAIRWELL	BUILDING 4	Negative	0
815	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0
816	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0
817	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0
818	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0.01
819	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0
820	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0
821	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0
822	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0.01
823	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0
824	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 4	Negative	0
825	HANDRAIL	WOOD		INTACT	GREEN	COMMON STAIRWELL	BUILDING 4	Negative	0
826	DOOR	METAL	A	INTACT	WHITE	EXTERIOR	BUILDING 4	Negative	0
827	DOOR FRAME	METAL	A	INTACT	WHITE	EXTERIOR	BUILDING 4	Negative	0
828	TRIM	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 4	Negative	0.01
829	SKIRT	CONCRETE	A	PEELING	GRAY	EXTERIOR	BUILDING 4	Negative	0.2
830	SKIRT	CONCRETE	B	PEELING	GRAY	EXTERIOR	BUILDING 4	Negative	0
831	SKIRT	CONCRETE	C	PEELING	GRAY	EXTERIOR	BUILDING 4	Negative	0.2
832	SKIRT	CONCRETE	D	PEELING	GRAY	EXTERIOR	BUILDING 4	Negative	0
833	SHUTTER CAL								
834	SHUTTER CAL								
835	NIST				RED			Negative	0.8
836	NIST				RED			Positive	1.1
837	NIST				RED			Positive	1.3
838	NIST				RED			Positive	1
839	NIST				RED			Positive	1
840	NIST				RED			Negative	0.9
841	CEILING	DRYWALL		INTACT	BEIGE	LAUNDRY	BUILDING 5	Negative	0
842	WALL	DRYWALL	A	INTACT	WHITE	LAUNDRY	BUILDING 5	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
843	WALL	DRYWALL	B	INTACT	WHITE	LAUNDRY	BUILDING 5	Negative	0.01
844	WALL	DRYWALL	C	INTACT	WHITE	LAUNDRY	BUILDING 5	Negative	0
845	WALL	DRYWALL	D	INTACT	WHITE	LAUNDRY	BUILDING 5	Negative	0
846	DOOR	METAL	A	INTACT	WHITE	LAUNDRY	BUILDING 5	Negative	0
847	DOOR FRAME	METAL	A	INTACT	WHITE	LAUNDRY	BUILDING 5	Negative	0
848	WALL	DRYWALL	A	INTACT	WHITE	COMMUNITY ROOM	BUILDING 5	Negative	0.01
849	WALL	DRYWALL	B	INTACT	WHITE	COMMUNITY ROOM	BUILDING 5	Negative	0
850	WALL	DRYWALL	C	INTACT	WHITE	COMMUNITY ROOM	BUILDING 5	Negative	0
851	WALL	DRYWALL	D	INTACT	WHITE	COMMUNITY ROOM	BUILDING 5	Negative	0
852	BEAM	WOOD		FAIR	BROWN	COMMUNITY ROOM	BUILDING 5	Negative	0
853	COLUMN	WOOD		FAIR	BROWN	COMMUNITY ROOM	BUILDING 5	Negative	0
854	WINDOW SILL	WOOD	A	FAIR	BLUE	COMMUNITY ROOM	BUILDING 5	Negative	0
855	WINDOW SILL	WOOD	D	FAIR	BLUE	COMMUNITY ROOM	BUILDING 5	Negative	0
856	CEILING	DRYWALL		INTACT	WHITE	COMMUNITY ROOM	BUILDING 5	Negative	0.07
857	WALL	DRYWALL	C	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 5	Negative	0
858	WALL	DRYWALL	B	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 5	Negative	0
859	WALL	DRYWALL	D	INTACT	YELLOW	COMMON STAIRWELL	BUILDING 5	Negative	0
860	HANDRAIL	WOOD	A	INTACT	RED	EXTERIOR	BUILDING 5	Negative	0
861	COLUMN	WOOD	A	INTACT	BEIGE	EXTERIOR	BUILDING 5	Negative	0
862	DOOR FRAME	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 5	Negative	0
863	RISER	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 5	Negative	0
864	WINDOW FRAME	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 5	Negative	0.2
865	WINDOW FRAME	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 5	Negative	0.2
866	RETAINING WALL	CONCRETE	A	INTACT	GRAY	EXT BASEMENT STAIRS	BUILDING 5	Negative	0
867	SKIRT	CONCRETE	A	PEELING	GRAY	EXT BASEMENT STAIRS	BUILDING 5	Negative	0
868	SKIRT	CONCRETE	B	PEELING	GRAY	EXT BASEMENT STAIRS	BUILDING 5	Negative	0
869	SKIRT	CONCRETE	C	PEELING	GRAY	EXT BASEMENT STAIRS	BUILDING 5	Negative	0.02
870	SKIRT	CONCRETE	D	PEELING	GRAY	EXT BASEMENT STAIRS	BUILDING 5	Negative	0
871	DRAIN	METAL	D	INTACT	GRAY	EXT BASEMENT STAIRS	BUILDING 5	Negative	0
872	WINDOW FRAME	WOOD	D	INTACT	WHITE	EXT BASEMENT STAIRS	BUILDING 5	Negative	0
873	WINDOW FRAME	WOOD	D	INTACT	WHITE	EXT BASEMENT STAIRS	BUILDING 5	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
874	CONCEALED SIDING	WOOD	D	INTACT	BEIGE	EXT BASEMENT STAIRS	BUILDING 5	Positive	1.7
875	CEILING	DRYWALL		INTACT	WHITE	SMALL STORAGE ROOM	BUILDING 6	Negative	0
876	WALL	DRYWALL	A	INTACT	PURPLE	SMALL STORAGE ROOM	BUILDING 6	Negative	0
877	WALL	DRYWALL	B	INTACT	PURPLE	SMALL STORAGE ROOM	BUILDING 6	Negative	0
878	WALL	DRYWALL	C	INTACT	PURPLE	SMALL STORAGE ROOM	BUILDING 6	Negative	0
879	WALL	DRYWALL	D	INTACT	PURPLE	SMALL STORAGE ROOM	BUILDING 6	Negative	0
880	CEILING	DRYWALL		INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
881	WALL	DRYWALL	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
882	WALL	DRYWALL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
883	WALL	DRYWALL	C	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
884	WALL	DRYWALL	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
885	HANDRAIL	WOOD	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
886	STAIR TRIM	WOOD	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
887	DOOR	WOOD	A	INTACT	GREEN	COMMON STAIRWELL	BUILDING 6	Negative	0
888	CEILING	DRYWALL		INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
889	WALL	DRYWALL	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0.02
890	WALL	DRYWALL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
891	WALL	DRYWALL	C	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
892	WALL	DRYWALL	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
893	HANDRAIL	WOOD	B	INTACT	GREEN	COMMON STAIRWELL	BUILDING 6	Negative	0
894	HANDRAIL	WOOD	D	INTACT	GREEN	COMMON STAIRWELL	BUILDING 6	Negative	0
895	WALL	METAL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
896	WALL	METAL	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0.02
897	WINDOW SILL	DRYWALL	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
898	WINDOW SILL	DRYWALL	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
899	WALL	DRYWALL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0.01
900	WALL	DRYWALL	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 6	Negative	0
901	HANDRAIL	WOOD	B	INTACT	GREEN	COMMON STAIRWELL	BUILDING 6	Negative	0
902	DOOR	METAL	A	INTACT	WHITE	EXTERIOR	BUILDING 6	Negative	0
903	DOOR FRAME	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 6	Negative	0.04
904	TRIM	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 6	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
905	COLUMN	WOOD	A	INTACT	RED	EXTERIOR	BUILDING 6	Negative	0
906	SHINGLES	WOOD	A	INTACT	BROWN	EXTERIOR	BUILDING 6	Negative	0
907	SKIRT	CONCRETE	A	INTACT	GRAY	EXTERIOR	BUILDING 6	Negative	0
908	SKIRT	CONCRETE	A	INTACT	GRAY	EXTERIOR	BUILDING 6	Negative	0.07
909	SKIRT	CONCRETE	B	INTACT	GRAY	EXTERIOR	BUILDING 6	Negative	0.01
910	SKIRT	CONCRETE	C	INTACT	GRAY	EXTERIOR	BUILDING 6	Negative	0
911	DRAIN	METAL	C	INTACT	GRAY	EXTERIOR	BUILDING 6	Negative	0
912	DRAIN	METAL	D	INTACT	GRAY	EXTERIOR	BUILDING 6	Negative	0
913	SKIRT	CONCRETE	D	INTACT	GRAY	EXTERIOR	BUILDING 6	Negative	0
914	CEILING	DRYWALL		INTACT	WHITE	EXTERIOR	BUILDING 7	Negative	0
915	WALL	DRYWALL	A	INTACT	BLUE	EXTERIOR	BUILDING 7	Negative	0.01
916	WALL	DRYWALL	B	INTACT	BLUE	EXTERIOR	BUILDING 7	Negative	0
917	WALL	DRYWALL	C	INTACT	BLUE	EXTERIOR	BUILDING 7	Negative	0
918	WALL	DRYWALL	D	INTACT	BLUE	EXTERIOR	BUILDING 7	Negative	0.02
919	DOOR	WOOD	B	INTACT	GREEN	EXTERIOR	BUILDING 7	Negative	0
920	DOOR FRAME	WOOD	B	INTACT	GREEN	EXTERIOR	BUILDING 7	Negative	0
921	CEILING	DRYWALL		INTACT	WHITE	EXTERIOR	BUILDING 7	Negative	0
922	WALL	DRYWALL	B	INTACT	WHITE	EXTERIOR	BUILDING 7	Negative	0
923	WALL	DRYWALL	C	INTACT	WHITE	EXTERIOR	BUILDING 7	Negative	0
924	WALL	DRYWALL	D	INTACT	WHITE	EXTERIOR	BUILDING 7	Negative	0
925	DOOR	METAL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
926	DOOR	METAL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0.02
927	DOOR FRAME	METAL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
928	CEILING	DRYWALL		INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
929	WALL	WOOD	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
930	WALL	DRYWALL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
931	WALL	DRYWALL	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
932	HANDRAIL	WOOD		INTACT	GREEN	COMMON STAIRWELL	BUILDING 7	Negative	0.02
933	HANDRAIL	WOOD		INTACT	GREEN	COMMON STAIRWELL	BUILDING 7	Negative	0
934	WALL	DRYWALL	C	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
935	WALL	DRYWALL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
936	WALL	DRYWALL	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
937	WINDOW SILL	DRYWALL	A	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
938	WALL	DRYWALL	B	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
939	WALL	DRYWALL	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0.02
940	WALL	DRYWALL	D	INTACT	WHITE	COMMON STAIRWELL	BUILDING 7	Negative	0
941	HANDRAIL	WOOD		INTACT	GREEN	COMMON STAIRWELL	BUILDING 7	Negative	0
942	DOOR	METAL	B	INTACT	WHITE	EXTERIOR	BUILDING 7	Negative	0
943	DOOR FRAME	METAL	B	INTACT	WHITE	EXTERIOR	BUILDING 7	Negative	0
944	TRIM	WOOD	A	INTACT	WHITE	EXTERIOR	BUILDING 7	Negative	0.02
945	COLUMN	WOOD	A	INTACT	RED	EXTERIOR	BUILDING 7	Negative	0
946	SHINGLE	WOOD	A	INTACT	BROWN	EXTERIOR	BUILDING 7	Negative	0.1
947	SKIRT	CONCRETE	A	INTACT	GRAY	EXTERIOR	BUILDING 7	Negative	0.2
948	ELECTRIC BOX	METAL	A	POOR	GRAY	EXTERIOR	BUILDING 7	Negative	0
949	ELECTRIC BOX	METAL	A	POOR	GRAY	EXTERIOR	BUILDING 7	Negative	0.01
950	SKIRT	CONCRETE	B	INTACT	GRAY	EXTERIOR	BUILDING 7	Negative	0
951	DRAIN	METAL	B	INTACT	GRAY	EXTERIOR	BUILDING 7	Negative	0
952	DRAIN	METAL	C	INTACT	GRAY	EXTERIOR	BUILDING 7	Negative	0.02
953	SKIRT	CONCRETE	D	INTACT	GRAY	EXTERIOR	BUILDING 7	Negative	0
954	CONCEALED SIDING	WOOD	D	PEELING	BEIGE	EXTERIOR	BUILDING 7	Negative	0.4
955	CONCEALED SIDING	WOOD	A	PEELING	BEIGE	EXTERIOR	BUILDING 4	Negative	0.4
956	CONCEALED SIDING	WOOD	C	PEELING	BEIGE	EXTERIOR	BUILDING 6	Positive	2
957	CONCEALED SIDING	WOOD	C	PEELING	BEIGE	EXTERIOR	BUILDING 3	Positive	1.7
958	CONCEALED SIDING	WOOD	C	PEELING	BEIGE	EXTERIOR	BUILDING 2	Positive	1.9
959	BRIDGE RAILS	WOOD	C	PEELING	BEIGE	EXTERIOR	BRIDGE	Negative	0
960	BRIDGE RAILS	WOOD	C	PEELING	GREEN	EXTERIOR	BRIDGE	Negative	0
961	BRIDGE RAILS	WOOD	B	PEELING	GREEN	EXTERIOR	BRIDGE	Negative	0
962	BRIDGE RAILS	WOOD	B	PEELING	BEIGE	EXTERIOR	BRIDGE	Negative	0
963	BRIDGE RAILS	WOOD	A	PEELING	BEIGE	EXTERIOR	BRIDGE	Negative	0.02
964	BRIDGE RAILS	WOOD	A	PEELING	GREEN	EXTERIOR	BRIDGE	Negative	0
965	STAIR ON DECK	WOOD	A	PEELING	GREEN	EXTERIOR	BRIDGE	Negative	0
966	BIDGE DECK	WOOD	A	PEELING	BEIGE	EXTERIOR	BRIDGE	Negative	0

Reading No.	Component	Substrate	Side	Condition	Color	Room	Building and Unit	Results	Lead
967	PATIO DECK	WOOD	A	PEELING	GRAY	EXTERIOR	SUN DECK	Negative	0.03
968	BENCH	WOOD	A	PEELING	BEIGE	EXTERIOR	SUN DECK	Negative	0.21
969	GREEN RAIL	WOOD	A	PEELING	GREEN	EXTERIOR	SUN DECK	Negative	0.16
970	OVERHEAD BEAM	WOOD	A	PEELING	BEIGE	EXTERIOR	SUN DECK	Negative	0.02

TAB 2

SAMPLE INVENTORIES AND LABORATORY DATA SHEETS

Dust Wipe Sample Inventory/Chain-of-Custody
Dust Wipe Laboratory Report
Soil Sample Inventory/Chain-of-Custody
Soil Sample Laboratory Report

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101857.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 20 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: Ms. Janet Murphy
Project Location: Illahee Creek Apartments

Batch #: 2101857.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 20
Samples Analyzed: 20

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019531	40573.214-1	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019532	40573.214-2	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019533	40573.214-3	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019534	40573.214-4	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019535	40573.214-5	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019536	40573.214-6	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019537	40573.214-7	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019538	40573.214-8	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019539	40573.214-9	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019540	40573.214-10	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019541	40573.214-11	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019542	40573.214-12	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019543	40573.214-13	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019544	40573.214-14	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019545	40573.214-15	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019546	40573.214-16	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019547	40573.214-17	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019548	40573.214-18	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019549	40573.214-19	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019550	40573.214-20	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Yasuyuki Hida Date Analyzed: 02/01/2021
Reviewed by: Nick Ly Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0201-3

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101857.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 11:20 AM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019531	40573.214-1		A
2	21019532	40573.214-2		A
3	21019533	40573.214-3		A
4	21019534	40573.214-4		A
5	21019535	40573.214-5		A
6	21019536	40573.214-6		A
7	21019537	40573.214-7		A
8	21019538	40573.214-8		A
9	21019539	40573.214-9		A
10	21019540	40573.214-10		A
11	21019541	40573.214-11		A
12	21019542	40573.214-12		A
13	21019543	40573.214-13		A
14	21019544	40573.214-14		A
15	21019545	40573.214-15		A
16	21019546	40573.214-16		A
17	21019547	40573.214-17		A
18	21019548	40573.214-18		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1120
Analyzed by	Yasuyuki Hida		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 11:47 AM
Entered By: Kelly AuVu

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101857.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 11:20 AM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	21019549	40573.214-19		A
20	21019550	40573.214-20		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1120
Analyzed by	Yasuyuki Hida		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 11:47 AM
Entered By: Kelly AuVu

NVL

PBS

LABORATORY CHA 2101857

Project: Illahee Creek Apartments

Project #: 40573.214

Analysis requested: FAAS-Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: [signature] & NVL

Date/Time: 1/29/2021 1120 Location

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
1	Unit 1 Liv/Din at Doorway to Poarch - Floor	144
2	Unit 1 Liv/Din Entry at Front Door - Floor	144
3	Unit 1 Kitchen Sill C	144
4	Unit 1 Kitchen Floor Central	144
5	Unit 1 Bedroom Floor Central	144
6	Unit 1 Bedroom Sill A	144
7	Unit 1 Bathroom Floor Central	144
8	Unit 1 Bathroom Sill A	144
9	Unit 2 Liv/Din at Doorway to Poarch - Floor	144
10	Unit 2 Liv/Din Sill C	144
11	Unit 2 Liv/Din Entry at Front Door - Floor	144
12	Unit 2 Kitchen Sill C	144
13	Unit 2 Kitchen Floor Central	144
14	Unit 2 Bedroom Floor Central	144
15	Unit 2 Bedroom Sill A	144
16	Unit 2 Bathroom Floor Central	144
17	Unit 3 Liv/Din at Doorway to Poarch - Floor	144
18	Unit 3 Kitchen Floor at Entry to Liv/Din Rm - Floor	144
19	Unit 3 Liv/Din Rm Floor Central	144
20	Unit 3 Liv/Din Room Sill A	144
21	Unit 3 Kitchen Floor Central	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101858.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 4 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: **Ms. Janet Murphy**
Project Location: Illahee Creek Apartments

Batch #: 2101858.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 4
Samples Analyzed: 4

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019551	40573.214-21	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019552	40573.214-22	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019553	40573.214-23	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019554	40573.214-24	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel Date Analyzed: 02/02/2021
Reviewed by: Nick Ly Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0202-08

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101858.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 11:20 AM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 4 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019551	40573.214-21		A
2	21019552	40573.214-22		A
3	21019553	40573.214-23		A
4	21019554	40573.214-24		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1120
Analyzed by	Shalini Patel		NVL	2/2/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 12:05 PM
Entered By: Kelly AuVu

NVL

PBS

LABORATORY CH/ 2101858

Project: Illahee Creek Apartments

Project #: 40573.214

Analysis requested: FAAS-Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: [signature] & NVL

Date/Time: 1/29/2021 1120 courier

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
1	Unit 1 Liv/Din at Doorway to Poarch - Floor	144
2	Unit 1 Liv/Din Entry at Front Door - Floor	144
3	Unit 1 Kitchen Sill C	144
4	Unit 1 Kitchen Floor Central	144
5	Unit 1 Bedroom Floor Central	144
6	Unit 1 Bedroom Sill A	144
7	Unit 1 Bathroom Floor Central	144
8	Unit 1 Bathroom Sill A	144
9	Unit 2 Liv/Din at Doorway to Poarch - Floor	144
10	Unit 2 Liv/Din Sill C	144
11	Unit 2 Liv/Din Entry at Front Door - Floor	144
12	Unit 2 Kitchen Sill C	144
13	Unit 2 Kitchen Floor Central	144
14	Unit 2 Bedroom Floor Central	144
15	Unit 2 Bedroom Sill A	144
16	Unit 2 Bathroom Floor Central	144
17	Unit 3 Liv/Din at Doorway to Poarch - Floor	144
18	Unit 3 Kitchen Floor at Entry to Liv/Din Rm - Floor	144
19	Unit 3 Liv/Din Rm Floor Central	144
20	Unit 3 Liv/Din Room Sill A	144
21	Unit 3 Kitchen Floor Central	144

NVL

PBS

LABORATORY CHAI 2101858

Project: Illahee Creek Apartments

Project #: 40573.214

Analysis requested: FAAS-Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: Kellyann Le New

Date/Time: 1/29/2021 1120 courier

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
22	Unit 3 Bedroom Sill A	144
23	Unit 3 Bedroom Floor Central	144
24	Unit 3 Bathroom Floor Central	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101891.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 20 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: Ms. Janet Murphy
Project Location: Illahee Creek Apartments

Batch #: 2101891.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 20
Samples Analyzed: 20

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019637	40573.214-25	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019638	40573.214-26	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019639	40573.214-27	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019640	40573.214-28	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019641	40573.214-29	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019642	40573.214-30	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019643	40573.214-31	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019644	40573.214-32	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019645	40573.214-33	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019646	40573.214-34	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019647	40573.214-35	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019648	40573.214-36	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019649	40573.214-37	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019650	40573.214-38	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019651	40573.214-39	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019652	40573.214-40	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019653	40573.214-41	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019654	40573.214-42	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019655	40573.214-43	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019656	40573.214-44	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel
Reviewed by: Nick Ly
Date Analyzed: 02/01/2021
Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe
RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0201-09

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101891.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019637	40573.214-25		A
2	21019638	40573.214-26		A
3	21019639	40573.214-27		A
4	21019640	40573.214-28		A
5	21019641	40573.214-29		A
6	21019642	40573.214-30		A
7	21019643	40573.214-31		A
8	21019644	40573.214-32		A
9	21019645	40573.214-33		A
10	21019646	40573.214-34		A
11	21019647	40573.214-35		A
12	21019648	40573.214-36		A
13	21019649	40573.214-37		A
14	21019650	40573.214-38		A
15	21019651	40573.214-39		A
16	21019652	40573.214-40		A
17	21019653	40573.214-41		A
18	21019654	40573.214-42		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Shalini Patel		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:12 PM
Entered By: Fatima Khan

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101891.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	21019655	40573.214-43		A
20	21019656	40573.214-44		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Shalini Patel		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:12 PM
Entered By: Fatima Khan

N/C

PBS

2101891

ORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [signature] **Date/Time:** 1/29/2021 12:00

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
25	Unit 4 Liv/Din Sill C	144
26	Unit 4 Liv/Din Central Floor	144
27	Unit 4 Liv/Din Entry at Front Door - Floor	144
28	Unit 4 Kitchen Sill C	144
29	Unit 4 Kitchen Floor Central	144
30	Unit 4 Bedroom Floor Central	144
31	Unit 4 Bedroom Sill A	144
32	Unit 4 Bathroom Floor Central	144
33	Unit 5 Liv/Din Doorway at Poarch - Floor	144
34	Unit 5 Liv/Din Front Door Entry - Floor	144
35	Unit 5 Liv/Din Sill A	144
36	Unit 5 Kitchen Floor	144
37	Unit 5 Kitchen Sill C	144
38	Unit 5 Bedroom Floor at Entry	144
39	Unit 5 Bedroom Sill A	144
40	Unit 5 Bedroom Floor Central	144
41	Unit 6 Liv/Din Front Door Entry	144
42	Unit 6 Liv/Din Room Floor Central	144
43	Unit 6 Liv/Din Rm Sill A	144
44	Unit 6 Kitchen Floor Central	144
45	Unit 6 Kitchen Sill C	144

NVL

PBS

2101891

RATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [signature] **Date/Time:** 1/29/2021 1200

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
25	Unit 4 Liv/Din Sill C	144
26	Unit 4 Liv/Din Central Floor	144
27	Unit 4 Liv/Din Entry at Front Door - Floor	144
28	Unit 4 Kitchen Sill C	144
29	Unit 4 Kitchen Floor Central	144
30	Unit 4 Bedroom Floor Central	144
31	Unit 4 Bedroom Sill A	144
32	Unit 4 Bathroom Floor Central	144
33	Unit 5 Liv/Din Doorway at Poarch - Floor	144
34	Unit 5 Liv/Din Front Door Entry - Floor	144
35	Unit 5 Liv/Din Sill A	144
36	Unit 5 Kitchen Floor	144
37	Unit 5 Kitchen Sill C	144
38	Unit 5 Bedroom Floor at Entry	144
39	Unit 5 Bedroom Sill A	144
40	Unit 5 Bedroom Floor Central	144
41	Unit 6 Liv/Din Front Door Entry	144
42	Unit 6 Liv/Din Room Floor Central	144
43	Unit 6 Liv/Din Rm Sill A	144
44	Unit 6 Kitchen Floor Central	144
~~45~~	~~Unit 6 Kitchen Sill C~~	~~144~~

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101898.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 4 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: **Ms. Janet Murphy**
Project Location: Illahee Creek Apartments

Batch #: 2101898.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 4
Samples Analyzed: 4

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019705	40573.214-45	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019706	40573.214-46	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019707	40573.214-47	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019708	40573.214-48	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel Date Analyzed: 02/02/2021
Reviewed by: Nick Ly Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0202-08

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101898.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 4 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019705	40573.214-45		A
2	21019706	40573.214-46		A
3	21019707	40573.214-47		A
4	21019708	40573.214-48		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Shalini Patel		NVL	2/2/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:36 PM
Entered By: Fatima Khan

NVL

PBS 2101898

BORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [signature] **Date/Time:** 1/29/2021 12:00

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
25	Unit 4 Liv/Din Sill C	144
26	Unit 4 Liv/Din Central Floor	144
27	Unit 4 Liv/Din Entry at Front Door - Floor	144
28	Unit 4 Kitchen Sill C	144
29	Unit 4 Kitchen Floor Central	144
30	Unit 4 Bedroom Floor Central	144
31	Unit 4 Bedroom Sill A	144
32	Unit 4 Bathroom Floor Central	144
33	Unit 5 Liv/Din Doorway at Poarch - Floor	144
34	Unit 5 Liv/Din Front Door Entry - Floor	144
35	Unit 5 Liv/Din Sill A	144
36	Unit 5 Kitchen Floor	144
37	Unit 5 Kitchen Sill C	144
38	Unit 5 Bedroom Floor at Entry	144
39	Unit 5 Bedroom Sill A	144
40	Unit 5 Bedroom Floor Central	144
41	Unit 6 Liv/Din Front Door Entry	144
42	Unit 6 Liv/Din Room Floor Central	144
43	Unit 6 Liv/Din Rm Sill A	144
44	Unit 6 Kitchen Floor Central	144
45	Unit 6 Kitchen Sill C	144

2101898

BORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [signature] **Date/Time:** 1/29/2021 1300

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
46	Unit 6 Bedroom Sill A	144
47	Unit 6 Bedroom Floor Central	144
48	Unit 6 Bathroom Floor Central	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101895.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 19 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: Ms. Janet Murphy
Project Location: Illahee Creek Apartments

Batch #: 2101895.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 19
Samples Analyzed: 19

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019679	40573.214-49	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019680	40573.214-50	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019681	40573.214-51	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019682	40573.214-52	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019683	40573.214-53	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019684	40573.214-54	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019685	40573.214-55	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019686	40573.214-56	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019687	40573.214-57	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019688	40573.214-58	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019689	40573.214-59	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019690	40573.214-60	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019691	40573.214-61	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019692	40573.214-62	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019693	40573.214-63	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019694	40573.214-64	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019695	40573.214-65	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019696	40573.214-66	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019697	40573.214-67	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel Date Analyzed: 02/01/2021
Reviewed by: Nick Ly Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0201-10

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101895.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 19 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019679	40573.214-49		A
2	21019680	40573.214-50		A
3	21019681	40573.214-51		A
4	21019682	40573.214-52		A
5	21019683	40573.214-53		A
6	21019684	40573.214-54		A
7	21019685	40573.214-55		A
8	21019686	40573.214-56		A
9	21019687	40573.214-57		A
10	21019688	40573.214-58		A
11	21019689	40573.214-59		A
12	21019690	40573.214-60		A
13	21019691	40573.214-61		A
14	21019692	40573.214-62		A
15	21019693	40573.214-63		A
16	21019694	40573.214-64		A
17	21019695	40573.214-65		A
18	21019696	40573.214-66		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Shalini Patel		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:25 PM
Entered By: Fatima Khan

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101895.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 19 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	21019697	40573.214-67		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Shalini Patel		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:25 PM
Entered By: Fatima Khan

PBS

2101895

ORATORY CHAIN OF CUSTODY

Project: Illahee Creekside Apartments

Project #: 40573.214

Analysis requested: FAAS - Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: Kellyann e MW

Date/Time: 1/29/2021 1300

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☐ Cel Alvarez
- ☑ **Janet Murphy**
- ☐ Clair Tsai
- ☐ Martin Estira
- ☐ Kaitlin Soukup
- ☐ Ryan Hunter
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 24 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

WIPE SAMPLE DATA SHEET		
Sample #	**Sample Description**	**Area (in^2)**
49	Unit 7 Liv/Din Floor Central	144
50	Unit 7 Liv/Din Sill C	144
51	Unit 7 Kitchen Sill C	144
52	Unit 7 Kitchen Floor Central	144
53	Unit 7 Bedroom Floor Central	144
54	Unit 7 Sill A	144
55	Unit 7 Bathroom Floor Central	144
56	Unit 7 Bathroom Sill A	144
57	Unit 8 Liv/Din Floor at Entry Door	144
58	Unit 8 Liv/Din Sill C	144
59	Unit 8 Liv/Din Floor Central	144
60	Unit 8 Kitchen Sill C	144
61	Unit 8 Kitchen Floor Central	144
62	Unit 8 Bedroom Sill A	144
63	Unit 8 Bedroom Floor Central	144
64	Unit 8 Bathroom Floor Central	144
65	Unit 9 Liv/Din Sill A	144
66	Unit 9 Liv/Din Entry at Front Door	144
67	Unit 9 Liv/Din Central Floor	144
68	Unit 9 Kitchen Sill C	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101893.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 5 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: Ms. Janet Murphy
Project Location: lllahee Creek Apartments

Batch #: 2101893.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 5
Samples Analyzed: 5

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019665	40573.214-68	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019666	40573.214-69	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019667	40573.214-70	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019668	40573.214-71	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019669	40573.214-72	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel
Reviewed by: Nick Ly
Date Analyzed: 02/02/2021
Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe
RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0202-07

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101893.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 5 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019665	40573.214-68		A
2	21019666	40573.214-69		A
3	21019667	40573.214-70		A
4	21019668	40573.214-71		A
5	21019669	40573.214-72		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Shalini Patel		NVL	2/2/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:22 PM
Entered By: Fatima Khan

2101893

PBS

LABORATORY CHAIN OF CUSTODY

Project: Illahee Creekside Apartments **Project #:** 40573.214

Analysis requested: FAAS - Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [illegible] **Date/Time:** 1/29/2021 1300

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☐ Cel Alvarez
- ☑ **Janet Murphy**
- ☐ Clair Tsai
- ☐ Martin Estira
- ☐ Kaitlin Soukup
- ☐ Ryan Hunter
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 24 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
49	Unit 7 Liv/Din Floor Central	144
50	Unit 7 Liv/Din Sill C	144
51	Unit 7 Kitchen Sill C	144
52	Unit 7 Kitchen Floor Central	144
53	Unit 7 Bedroom Floor Central	144
54	Unit 7 Sill A	144
55	Unit 7 Bathroom Floor Central	144
56	Unit 7 Bathroom Sill A	144
57	Unit 8 Liv/Din Floor at Entry Door	144
58	Unit 8 Liv/Din Sill C	144
59	Unit 8 Liv/Din Floor Central	144
60	Unit 8 Kitchen Sill C	144
61	Unit 8 Kitchen Floor Central	144
62	Unit 8 Bedroom Sill A	144
63	Unit 8 Bedroom Floor Central	144
64	Unit 8 Bathroom Floor Central	144
65	Unit 9 Liv/Din Sill A	144
66	Unit 9 Liv/Din Entry at Front Door	144
67	Unit 9 Liv/Din Central Floor	144
68	Unit 9 Kitchen Sill C	144

2101893

ABORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: **Date/Time:** 1/29/21

Received by/Signature: Kenyon C Pun **Date/Time:** 1/29/21 1300

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
69	Unit 9 Kitchen Floor Central	144
70	Unit 9 Unit 9 Bedroom Sill A	144
71	Unit 9 Bedroom Floor Central	144
72	Unit 9 Bathroom Floor Central	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101910.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 20 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: Ms. Janet Murphy
Project Location: Illahee Creek Apartments

Batch #: 2101910.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 20
Samples Analyzed: 20

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019814	40573.214-73	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019815	40573.214-74	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019816	40573.214-75	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019817	40573.214-76	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019818	40573.214-77	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019819	40573.214-78	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019820	40573.214-79	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019821	40573.214-80	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019822	40573.214-81	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019823	40573.214-82	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019824	40573.214-83	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019825	40573.214-84	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019826	40573.214-85	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019827	40573.214-86	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019828	40573.214-87	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019829	40573.214-88	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019830	40573.214-89	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019831	40573.214-90	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019832	40573.214-91	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019833	40573.214-92	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel
Reviewed by: Nick Ly

Date Analyzed: 02/01/2021
Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0201-08

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101910.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 3:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019814	40573.214-73		A
2	21019815	40573.214-74		A
3	21019816	40573.214-75		A
4	21019817	40573.214-76		A
5	21019818	40573.214-77		A
6	21019819	40573.214-78		A
7	21019820	40573.214-79		A
8	21019821	40573.214-80		A
9	21019822	40573.214-81		A
10	21019823	40573.214-82		A
11	21019824	40573.214-83		A
12	21019825	40573.214-84		A
13	21019826	40573.214-85		A
14	21019827	40573.214-86		A
15	21019828	40573.214-87		A
16	21019829	40573.214-88		A
17	21019830	40573.214-89		A
18	21019831	40573.214-90		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1500
Analyzed by	Shalini Patel		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:59 PM
Entered By: Fatima Khan

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101910.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 3:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	21019832	40573.214-91		A
20	21019833	40573.214-92		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1500
Analyzed by	Shalini Patel		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:59 PM
Entered By: Fatima Khan

2 - Sided COC NVL

PBS

LABORATORY CHAIN OF CUSTODY

2101910

Project: Illahee Creekside Apartments

Project #: 40573.214

Analysis requested: FAAS - Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: [signature]

Date/Time: 1/29/21 1030 cov??

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ Claire Tsai
- ☐ Martin Estira
- ☐ Kaitlin Soukup
- ☐ Ryan Hunter
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 24 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other______

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
73	Unit 10 Liv/Din Floor at Entry	144
74	Unit 10 Liv/Din Sill C	144
75	Unit 10 Liv/Din Floor Central	144
76	Unit 10 Kitchen Floor Central	144
77	Unit 10 Kitchen Sill C	144
78	Unit 10 Bedroom Floor Central	144
79	Unit 10 Bathroom Floor Central	144
80	Unit 10 Bedroom Sill A	144
81	Unit 11 Liv/Din Sill A	144
82	Unit 11 Liv/Din Floor Central	144
83	Unit 11 Liv/Din Floor at Poarch Entry	144
84	Unit 11 Kitchen Floor Entry to Liv/Din Rm	144
85	Unit 11 Kitchen Sill C	144
86	Unit 11 Kitchen Floor Central	144
87	Unit11 Bedroom Floor Central	144
88	Unit 11 Bedroom Sill A	144
89	Unit 12 Liv/Din Floor Central	144
90	Unit 12 Liv/Din Floor at Front Door	144
91	Unit 12 Liv/Din Sill C	144
92	Unit 12 Kitchen Floor Central	144
~~93~~	~~Unit 12 Kitchen Sill C~~	~~144~~
~~94~~	~~Unit 12 Bedroom Sill A~~	~~144~~

2-Sided COC NVL

PBS

LABORATORY CHAIN OF CUSTODY

2101910

Project: Illahee Creekside Apartments

Project #: 40573.214

Analysis requested: FAAS - Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: [illegible signature]

Date/Time: 29 Jan 21 1530 [illegible]

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ Claire Tsai
- ☐ Martin Estira
- ☐ Kaitlin Soukup
- ☐ Ryan Hunter
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 24 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other__________

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
73	Unit 10 Liv/Din Floor at Entry	144
74	Unit 10 Liv/Din Sill C	144
75	Unit 10 Liv/Din Floor Central	144
76	Unit 10 Kitchen Floor Central	144
77	Unit 10 Kitchen Sill C	144
78	Unit 10 Bedroom Floor Central	144
79	Unit 10 Bathroom Floor Central	144
80	Unit 10 Bedroom Sill A	144
81	Unit 11 Liv/Din Sill A	144
82	Unit 11 Liv/Din Floor Central	144
83	Unit 11 Liv/Din Floor at Poarch Entry	144
84	Unit 11 Kitchen Floor Entry to Liv/Din Rm	144
85	Unit 11 Kitchen Sill C	144
86	Unit 11 Kitchen Floor Central	144
87	Unit11 Bedroom Floor Central	144
88	Unit 11 Bedroom Sill A	144
89	Unit 12 Liv/Din Floor Central	144
90	Unit 12 Liv/Din Floor at Front Door	144
91	Unit 12 Liv/Din Sill C	144
92	Unit 12 Kitchen Floor Central	144
93	Unit 12 Kitchen Sill C	144
94	Unit 12 Bedroom Sill A	144

214 EAST GALER STREET, SUITE 300, SEATTLE, WA 98102 • 206.233.9639 MAIN • 866.727.0140 FAX • PBSUSA.COM

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101913.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 4 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: **Ms. Janet Murphy**
Project Location: Illahee Creek Apartments

Batch #: 2101913.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 4
Samples Analyzed: 4

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019841	40573.214-93	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019842	40573.214-94	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019843	40573.214-95	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019844	40573.214-96	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel Date Analyzed: 02/02/2021
Reviewed by: Nick Ly Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0202-08

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101913.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 4 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019841	40573.214-93		A
2	21019842	40573.214-94		A
3	21019843	40573.214-95		A
4	21019844	40573.214-96		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Shalini Patel		NVL	2/2/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 4:04 PM
Entered By: Fatima Khan

2 - Sided COC NVL

PBS

LABORATORY CHAIN OF CUSTODY

2101913

Project: Illahee Creekside Apartments

Project #: 40573.214

Analysis requested: FAAS - Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: [signature]

Date/Time: 29 Jan 21 1530 [illegible]

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ Claire Tsai
- ☐ Martin Estira
- ☐ Kaitlin Soukup
- ☐ Ryan Hunter
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 24 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other________

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
73	Unit 10 Liv/Din Floor at Entry	144
74	Unit 10 Liv/Din Sill C	144
75	Unit 10 Liv/Din Floor Central	144
76	Unit 10 Kitchen Floor Central	144
77	Unit 10 Kitchen Sill C	144
78	Unit 10 Bedroom Floor Central	144
79	Unit 10 Bathroom Floor Central	144
80	Unit 10 Bedroom Sill A	144
81	Unit 11 Liv/Din Sill A	144
82	Unit 11 Liv/Din Floor Central	144
83	Unit 11 Liv/Din Floor at Poarch Entry	144
84	Unit 11 Kitchen Floor Entry to Liv/Din Rm	144
85	Unit 11 Kitchen Sill C	144
86	Unit 11 Kitchen Floor Central	144
87	Unit11 Bedroom Floor Central	144
88	Unit 11 Bedroom Sill A	144
89	Unit 12 Liv/Din Floor Central	144
90	Unit 12 Liv/Din Floor at Front Door	144
91	Unit 12 Liv/Din Sill C	144
92	Unit 12 Kitchen Floor Central	144
93	Unit 12 Kitchen Sill C	144
94	Unit 12 Bedroom Sill A	144

95	Unit 12 Bedroom Floor Central	144
96	Unit 12 Bathroom Floor Central	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101915.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 20 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: Ms. Janet Murphy
Project Location: Illahee Creek Apartments

Batch #: 2101915.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 20
Samples Analyzed: 20

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019847	40573.214-97	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019848	40573.214-98	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019849	40573.214-99	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019850	40573.214-100	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019851	40573.214-101	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019852	40573.214-102	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019853	40573.214-103	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019854	40573.214-104	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019855	40573.214-105	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019857	40573.214-106	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019859	40573.214-107	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019861	40573.214-108	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019863	40573.214-109	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019865	40573.214-110	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019866	40573.214-111	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019867	40573.214-112	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019868	40573.214-113	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019869	40573.214-114	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019870	40573.214-115	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019871	40573.214-116	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Yasuyuki Hida Date Analyzed: 02/01/2021
Reviewed by: Nick Ly Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0201-4

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101915.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **Rush TAT**	**AH** No
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021	**Time** 1:00 PM
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019847	40573.214-97		A
2	21019848	40573.214-98		A
3	21019849	40573.214-99		A
4	21019850	40573.214-100		A
5	21019851	40573.214-101		A
6	21019852	40573.214-102		A
7	21019853	40573.214-103		A
8	21019854	40573.214-104		A
9	21019855	40573.214-105		A
10	21019857	40573.214-106		A
11	21019859	40573.214-107		A
12	21019861	40573.214-108		A
13	21019863	40573.214-109		A
14	21019865	40573.214-110		A
15	21019866	40573.214-111		A
16	21019867	40573.214-112		A
17	21019868	40573.214-113		A
18	21019869	40573.214-114		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Yasuyuki Hida		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 4:07 PM
Entered By: Fatima Khan

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101915.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	21019870	40573.214-115		A
20	21019871	40573.214-116		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Yasuyuki Hida		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 4:07 PM
Entered By: Fatima Khan

PBS 2101915 ORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments

Project #: 40573.214

Analysis requested: FAAS-Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: [signature]

Date/Time: 1/29/2021 1530 cown

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other____________

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
97	Unit 13 Liv/Din Floor Central	144
98	Unit 13 Liv/Din Rm Sill A	144
99	Unit 13 Liv/Din Rm Sill C	144
100	Unit 13 Liv/Din Rm Floor at Entry	144
101	Unit 13 Kitchen Floor Central	144
102	Unit 13 Kitchen Sill B	144
103	Unit 13 Bedroom Floor Central	144
104	Unit 13 Bedroom Sill A105	144
105	Unit 14 Liv/Din Floor at Entry	144
106	Unit 14 Liv/Din Floor Central	144
107	Unit 14 Liv/Din Sill C	144
108	Unit 14 Kitchen Floor Central	144
109	Unit 14 Kitchen Sill C	144
110	Unit 14 Bathroom Floor Central	144
111	Unit 14 Bedroom Floor Central	144
112	Unit 14 Bedroom Sill A	144
113	Unit 15 Liv/Din Floor Central	144
114	Unit 15 Bedroom Floor Central	144
115	Unit 15 Kitchen Floor Central	144
116	Unit 15 Liv/Din Sill A	144
117	Unit 15 Bedroom Sill A	144

PBS 2101915 ORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [signature] **Date/Time:** 1/29/21 1530 comm

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
97	Unit 13 Liv/Din Floor Central	144
98	Unit 13 Liv/Din Rm Sill A	144
99	Unit 13 Liv/Din Rm Sill C	144
100	Unit 13 Liv/Din Rm Floor at Entry	144
101	Unit 13 Kitchen Floor Central	144
102	Unit 13 Kitchen Sill B	144
103	Unit 13 Bedroom Floor Central	144
104	Unit 13 Bedroom Sill A105	144
105	Unit 14 Liv/Din Floor at Entry	144
106	Unit 14 Liv/Din Floor Central	144
107	Unit 14 Liv/Din Sill C	144
108	Unit 14 Kitchen Floor Central	144
109	Unit 14 Kitchen Sill C	144
110	Unit 14 Bathroom Floor Central	144
111	Unit 14 Bedroom Floor Central	144
112	Unit 14 Bedroom Sill A	144
113	Unit 15 Liv/Din Floor Central	144
114	Unit 15 Bedroom Floor Central	144
115	Unit 15 Kitchen Floor Central	144
116	Unit 15 Liv/Din Sill A	144
117	Unit 15 Bedroom Sill A	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101918.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 4 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: **Ms. Janet Murphy**
Project Location: Illahee Creek Apartments

Batch #: 2101918.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 4
Samples Analyzed: 4

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019896	40573.214-117	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019897	40573.214-118	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019898	40573.214-119	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019899	40573.214-120	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel Date Analyzed: 02/02/2021
Reviewed by: Nick Ly Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0202-08

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101918.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 1:00 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 4 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019896	40573.214-117		A
2	21019897	40573.214-118		A
3	21019898	40573.214-119		A
4	21019899	40573.214-120		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1300
Analyzed by	Shalini Patel		NVL	2/2/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 4:09 PM
Entered By: Fatima Khan

PBS 2101918 ORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [signature] **Date/Time:** 1/29/2021 1530 courier

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
118	Unit 15 Bathroom Floor Central	144
119	Unit 15 Liv/Din Floor at Front Entry	144
120	Unit 15 Kitchen Sill C	144

PBS 2101918 ORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments

Project #: 40573.214

Analysis requested: FAAS-Pb

Date: 1/29/21

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/29/21

Received by/Signature: [signature]

Date/Time: 1/29/2021 1530 conn

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other______

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
97	Unit 13 Liv/Din Floor Central	144
98	Unit 13 Liv/Din Rm Sill A	144
99	Unit 13 Liv/Din Rm Sill C	144
100	Unit 13 Liv/Din Rm Floor at Entry	144
101	Unit 13 Kitchen Floor Central	144
102	Unit 13 Kitchen Sill B	144
103	Unit 13 Bedroom Floor Central	144
104	Unit 13 Bedroom Sill A105	144
105	Unit 14 Liv/Din Floor at Entry	144
106	Unit 14 Liv/Din Floor Central	144
107	Unit 14 Liv/Din Sill C	144
108	Unit 14 Kitchen Floor Central	144
109	Unit 14 Kitchen Sill C	144
110	Unit 14 Bathroom Floor Central	144
111	Unit 14 Bedroom Floor Central	144
112	Unit 14 Bedroom Sill A	144
113	Unit 15 Liv/Din Floor Central	144
114	Unit 15 Bedroom Floor Central	144
115	Unit 15 Kitchen Floor Central	144
116	Unit 15 Liv/Din Sill A	144
117	Unit 15 Bedroom Sill A	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101906.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 20 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: Ms. Janet Murphy
Project Location: Illahee Creek Apartments

Batch #: 2101906.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 20
Samples Analyzed: 20

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019745	40573.214-121	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019746	40573.214-122	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019747	40573.214-123	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019748	40573.214-124	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019749	40573.214-125	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019750	40573.214-126	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019751	40573.214-127	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019752	40573.214-128	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019753	40573.214-129	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019754	40573.214-130	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019755	40573.214-131	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019756	40573.214-132	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019757	40573.214-133	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019758	40573.214-134	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019759	40573.214-135	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019760	40573.214-136	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019761	40573.214-137	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019762	40573.214-138	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019763	40573.214-139	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019764	40573.214-140	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel
Reviewed by: Nick Ly
Date Analyzed: 02/01/2021
Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe
RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0201-07
FAA-04

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101906.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 3:30 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019745	40573.214-121		A
2	21019746	40573.214-122		A
3	21019747	40573.214-123		A
4	21019748	40573.214-124		A
5	21019749	40573.214-125		A
6	21019750	40573.214-126		A
7	21019751	40573.214-127		A
8	21019752	40573.214-128		A
9	21019753	40573.214-129		A
10	21019754	40573.214-130		A
11	21019755	40573.214-131		A
12	21019756	40573.214-132		A
13	21019757	40573.214-133		A
14	21019758	40573.214-134		A
15	21019759	40573.214-135		A
16	21019760	40573.214-136		A
17	21019761	40573.214-137		A
18	21019762	40573.214-138		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1530
Analyzed by	Shalini Patel		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:53 PM
Entered By: Fatima Khan

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101906.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 3:30 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 20 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	21019763	40573.214-139		A
20	21019764	40573.214-140		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1530
Analyzed by	Shalini Patel		NVL	2/1/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:53 PM
Entered By: Fatima Khan

PBS 2101906 ORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: Kenneth Lehman **Date/Time:** 1/29/2021 1530 courier

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
121	Unit 22 Liv/Din Rm Sill B	144
122	Unit 22 Liv/Din Central Floor	144
123	Unit 22 Liv/Din Floor at Entry	144
124	Unit 22 Bedroom One Sill B	144
125	Unit 22 Bedroom One Central Floor	144
126	Unit 22 Bedroom Two Central Floor	144
127	Unit 22 Bedroom Two Sill B	144
128	Unit 22 Bathroom Floor	144
129	Unit 23 Liv/Din, Entry to Kitchen	144
130	Unit 23 Liv/Din Sill A	144
131	Unit 23 Liv/Din Floor at Entry	144
132	Unit 23 Bedroom One Floor Central	144
133	Unit 23 Bedroom One Sill C	144
134	Unit 23 Bedroom Two Floor Central	144
135	Unit 23 Bedroom Two Sill C	144
136	Unit 23 Kitchen Floor Central	144
137	Unit 26 Liv/Din Entry to Kitchen	144
138	Unit 26 Liv/Din Entry at Front Door	144
139	Unit 26 Liv/Din Floor Central	144
140	Unit 26 Bedroom One Floor Central	144
141	Unit 26 Bedroom One Sill C	144

PBS 2101906 ORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [signature] **Date/Time:** 1/29/2021 1530 Courier

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
121	Unit 22 Liv/Din Rm Sill B	144
122	Unit 22 Liv/Din Central Floor	144
123	Unit 22 Liv/Din Floor at Entry	144
124	Unit 22 Bedroom One Sill B	144
125	Unit 22 Bedroom One Central Floor	144
126	Unit 22 Bedroom Two Central Floor	144
127	Unit 22 Bedroom Two Sill B	144
128	Unit 22 Bathroom Floor	144
129	Unit 23 Liv/Din, Entry to Kitchen	144
130	Unit 23 Liv/Din Sill A	144
131	Unit 23 Liv/Din Floor at Entry	144
132	Unit 23 Bedroom One Floor Central	144
133	Unit 23 Bedroom One Sill C	144
134	Unit 23 Bedroom Two Floor Central	144
135	Unit 23 Bedroom Two Sill C	144
136	Unit 23 Kitchen Floor Central	144
137	Unit 26 Liv/Din Entry to Kitchen	144
138	Unit 26 Liv/Din Entry at Front Door	144
139	Unit 26 Liv/Din Floor Central	144
140	Unit 26 Bedroom One Floor Central	144
141	Unit 26 Bedroom One Sill C	144

February 9, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101909.01

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <wipe>
Item Code: FAA-04

Client Project: 40573.214
Location: Illahee Creek Apartments

Dear Ms. Murphy,

NVL Labs received 12 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <wipe>. The results are usually expressed in ug/wipe and ug/sq. ft. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: **Ms. Janet Murphy**
Project Location: Illahee Creek Apartments

Batch #: 2101909.01
Matrix: Wipe
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 12
Samples Analyzed: 12

Lab ID	Client Sample #	Element	Sample sq ft	RL ug/ sq ft	Results in ug/wipe	Results in ug/sq. ft
21019778	40573.214-141	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019779	40573.214-142	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019781	40573.214-143	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019783	40573.214-144	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019785	40573.214-145	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019787	40573.214-146	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019789	40573.214-147	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019790	40573.214-148	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019792	40573.214-149	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019794	40573.214-150	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019796	40573.214-151	Lead (Pb)	1.00	5.0	< 5.0	< 5.0
21019798	40573.214-152	Lead (Pb)	1.00	5.0	< 5.0	< 5.0

Sampled by: Client
Analyzed by: Shalini Patel Date Analyzed: 02/02/2021
Reviewed by: Nick Ly Date Issued: 02/09/2021

Nick Ly, Technical Director

ug/ sq. ft. =Micrograms per square foot
ug / wipe = Micrograms per wipe

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise. Concentration (ug/ft^2) not reported if sample area is zero. Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0202-07

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101909.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 3:30 PM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creek Apartments

Subcategory Flame AA (FAA)

Item Code FAA-04 EPA 7000B Lead by FAA <wipe>

Total Number of Samples 12 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019778	40573.214-141		A
2	21019779	40573.214-142		A
3	21019781	40573.214-143		A
4	21019783	40573.214-144		A
5	21019785	40573.214-145		A
6	21019787	40573.214-146		A
7	21019789	40573.214-147		A
8	21019790	40573.214-148		A
9	21019792	40573.214-149		A
10	21019794	40573.214-150		A
11	21019796	40573.214-151		A
12	21019798	40573.214-152		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1530
Analyzed by	Shalini Patel		NVL	2/2/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 3:56 PM
Entered By: Fatima Khan

PBS 2101909 ↄRATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: Kempen Lemm **Date/Time:** 1/29/2021 1530 Courier

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other________

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
121	Unit 22 Liv/Din Rm Sill B	144
122	Unit 22 Liv/Din Central Floor	144
123	Unit 22 Liv/Din Floor at Entry	144
124	Unit 22 Bedroom One Sill B	144
125	Unit 22 Bedroom One Central Floor	144
126	Unit 22 Bedroom Two Central Floor	144
127	Unit 22 Bedroom Two Sill B	144
128	Unit 22 Bathroom Floor	144
129	Unit 23 Liv/Din, Entry to Kitchen	144
130	Unit 23 Liv/Din Sill A	144
131	Unit 23 Liv/Din Floor at Entry	144
132	Unit 23 Bedroom One Floor Central	144
133	Unit 23 Bedroom One Sill C	144
134	Unit 23 Bedroom Two Floor Central	144
135	Unit 23 Bedroom Two Sill C	144
136	Unit 23 Kitchen Floor Central	144
137	Unit 26 Liv/Din Entry to Kitchen	144
138	Unit 26 Liv/Din Entry at Front Door	144
139	Unit 26 Liv/Din Floor Central	144
140	Unit 26 Bedroom One Floor Central	144
141	Unit 26 Bedroom One Sill C	144

PBS 2101909 ORATORY CHAIN OF CUSTODY

Project: Illahee Creek Apartments **Project #:** 40573.214

Analysis requested: FAAS-Pb **Date:** 1/29/21

Relinq'd by/Signature: Janet Murphy **Date/Time:** 1/29/21

Received by/Signature: [signature] **Date/Time:** 1/29/21 15:30 courier

E-mail results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☑ **Mark Hiley**
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☑ **Janet Murphy**
- ☐ David Toy
- ☐ Martin Estira
- ☐ Chuck Greeb
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☑ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 48 Hours
- ☑ 3 Days
- ☐ 5 Days
- ☐ Other_____

REPORT RESULTS IN MICROGRAMS PER SQUARE FOOT

WIPE SAMPLE DATA SHEET

Sample #	Sample Description	Area (in^2)
142	Unit 26 Kitchen Floor Central	144
143	Unit 26 Bathroom Floor Central	144
144	Unit 29 Liv/Din Floor Central	144
145	Unit 26 Liv/Din Sill A	144
146	Unit 29 Liv/Din Sill A	144
147	Unit 29 Kitchen Floor Central	144
148	Unit 29 Bedroom One Floor Central	144
149	Unit 29, Bedroom One Sill C	144
150	Unit 29 Bedroom Two Floor Central	144
151	Unit 29 Bedroom Two Sill C	144
152	Unit 29 Bathroom Floor	144

February 3, 2021

Janet Murphy
PBS Environmental - Seattle
214 E Galer St. Suite. 300
Seattle, WA 98102

NVL Batch # 2101856.00

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <soil>
Item Code: FAA-03

Client Project: 40573.214
Location: Illahee Creekside Apartments

Dear Ms. Murphy,

NVL Labs received 8 sample(s) for the said project on 1/29/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <soil>. The results are usually expressed in mg/Kg and ppm. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: PBS Environmental - Seattle
Address: 214 E Galer St. Suite. 300
Seattle, WA 98102

Attention: **Ms. Janet Murphy**
Project Location: Illahee Creekside Apartments

Batch #: 2101856.00
Matrix: Soil
Method: EPA 3051/7000B
Client Project #: 40573.214
Date Received: 1/29/2021
Samples Received: 8
Samples Analyzed: 8

Lab ID	Client Sample #	Sample Wt (g)	RL mg/ kg	Results in mg/Kg	Results in ppm
21019523	40573.214-S-1	0.3000	33	52	52
21019524	40573.214-S-2	0.3045	33	80	80
21019525	40573.214-S-3	0.3134	32	43	43
21019526	40573.214-S-4	0.2973	34	60	60
21019527	40573.214-S-5	0.3106	32	79	79
21019528	40573.214-S-6	0.3156	32	77	77
21019529	40573.214-S-7	0.2971	34	60	60
21019530	40573.214-S-8	0.3148	32	36	36

Sampled by: Client
Analyzed by: Shalini Patel Date Analyzed: 02/02/2021
Reviewed by: Nick Ly Date Issued: 02/03/2021

Nick Ly, Technical Director

mg/ kg = Milligrams per kilogram
ppm = Parts per million

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-0202-10
FAA-03

LEAD LABORATORY SERVICES

Company	PBS Environmental - Seattle	**NVL Batch Number**	**2101856.00**
Address	214 E Galer St. Suite. 300 Seattle, WA 98102	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Ms. Janet Murphy	**Due Date** 2/3/2021 **Time** 11:20 AM	
Phone	(206) 233-9639	**Email**	janet.murphy@pbsusa.com
Cell	(206) 409-9904	**Fax**	(866) 727-0140

Project Name/Number: 40573.214 **Project Location:** Illahee Creekside Apartments

Subcategory Flame AA (FAA)

Item Code FAA-03 EPA 7000B Lead by FAA <soil>

Total Number of Samples 8 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21019523	40573.214-S-1		A
2	21019524	40573.214-S-2		A
3	21019525	40573.214-S-3		A
4	21019526	40573.214-S-4		A
5	21019527	40573.214-S-5		A
6	21019528	40573.214-S-6		A
7	21019529	40573.214-S-7		A
8	21019530	40573.214-S-8		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/29/21	1120
Analyzed by	Shalini Patel		NVL	2/2/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 1/29/2021
Time: 11:41 AM
Entered By: Kelly AuVu

NVL

PBS

LABORATORY CHA 2101856

Project: Illahee Creekside Apartments. Project #: 40573.214

Analysis requested: FAA Lead Date: 1/29/21

Relinq'd by/Signature: Janet Murphy Date/Time: 1/29/21

Received by/Signature: Thuylen e Qui Date/Time: 1/29/2021 1120 courier

Email ALL INVOICES to: seattleap@pbsusa.com

Email results to:

- ☐ Brian Stanford
- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☒ Mark Hiley
- ☐ Tim Ogden
- ☐ Prudy Stoudt-McRae
- ☐ Cel Alvarez
- ☒ Janet Murphy
- ☐ Kaitlin Soukup
- ☐ Martin Estira
- ☐ Justin Day
- ☐ Claire Tsai
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☐ Holly Tuttle
- ☐ Ryan Hunter
- ☒ Michelle Dodson

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 24 Hours
- ☐ 48 Hours
- ☒ 3-5 Days
- ☐ Other_____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
S-1	Soil Composite	Bldg 1 Drip Line	NVL
S-2	Soil Composite	Bldg 2 Drip Line	
S-3	Soil Composite	Bldg 3 Drip Line	
S-4	Soil Composite	Bldg 5 Drip Line	
S-5	Soil Composite	Bldg 6 Drip Line	
S-6	Soil Composite	Bldg 7 Drip Line	
S-7	Soil Composite	In Front of Bldg 5 W. Side Bare area	
S-8	Soil Composite.	Sun Deck at Bridge Drip Line	

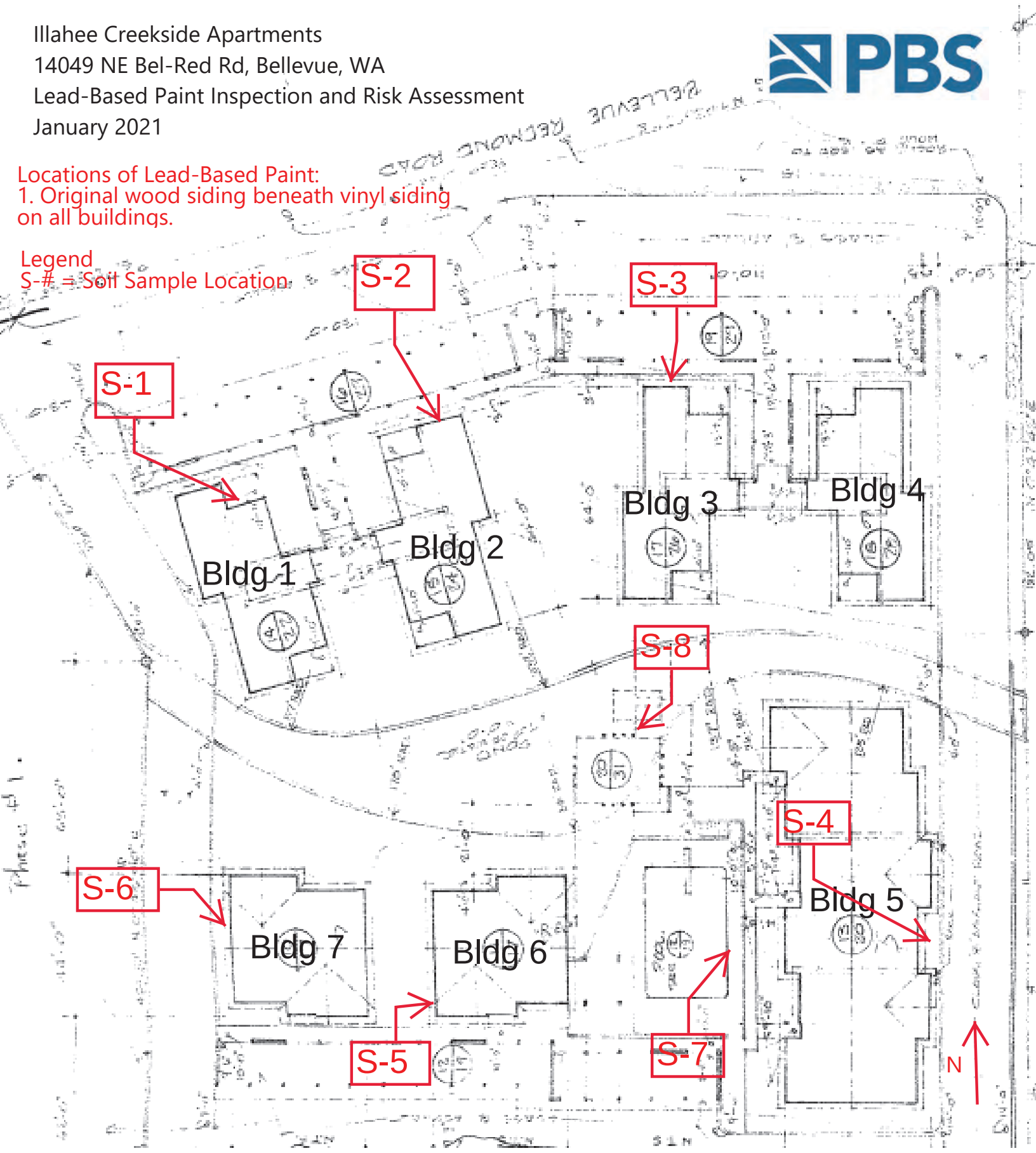
TAB 3

SITE PLAN AND HUD FORMS

Illahee Creekside Apartments
14049 NE Bel-Red Rd, Bellevue, WA
Lead-Based Paint Inspection and Risk Assessment
January 2021

Locations of Lead-Based Paint:
1. Original wood siding beneath vinyl siding on all buildings.

Legend
S-# = Soil Sample Location



Form 5.1 Building Condition Form for Lead Hazard Risk Assessment.

Property address: 14049 NE Bel-Red Road, Bellevue WA Apt. No. _____

Name of property owner: KCHA

Name of risk assessor: Janet Murphy Date of assessment: 1 / 29 / 21

Condition	Yes	No	Comments
Roof missing parts of surfaces (tiles, boards, shakes, etc.)		x	
Roof has holes or large cracks		x	
Gutters or downspouts broken		x	
Chimney masonry cracked, bricks loose or missing, obviously out of plumb		x	
Exterior or interior walls have obvious large cracks or holes, requiring more than routine pointing (if masonry) or painting		x	
Exterior siding has missing boards or shingles		x	
Water stains on interior walls or ceilings		x	
Walls or ceilings deteriorated		x	
More than "very small" amount of paint in a room deteriorated		x	
Two or more windows or doors broken, missing, or boarded up		x	
Porch or steps have major elements broken, missing, or boarded up		x	
Foundation has major cracks, missing material, structure leans, or visibly unsound		x	
** Total number		0	

* The "very small" amount is the *de minimis* amount under the HUD Lead Safe Housing Rule (24 CFR 35.1350(d)), or the amount of paint that is not "paint in poor condition" under the EPA lead training and certification ("402") rule (40 CFR 745.223).

** If the "Yes" column has any checks, the dwelling is usually considered not to be in good condition for the purposes of a risk assessment, and conducting a lead hazard screen is not advisable. However, specific conditions and extenuating circumstances should be considered before determining the final condition of the dwelling and the appropriateness of a lead hazard screen. If the "Yes" column has any checks, and a lead hazard screen is to be performed, describe, below, the extenuating circumstances that justify conducting a lead hazard screen.

Notes (including other conditions of concern):

Form 5.2 Report of Visual Assessment (for Lead Hazard Risk Assessment).
Form 6.0 Report of Visual Assessment (for Ongoing Lead-Safe Maintenance).

Property address: 14049 NE Bel-Red Road, Bellevue WA Apt. No. _____

Name of property owner: King County Housing Authority

Name of risk assessor: Janet Murphy Date of assessment: 1 / 29 / 21

Area Description		Deteriorated Paint			Friction or Impact Surface? (F or I)	Visible Teeth Marks? (Y or N)	Paint Testing Results[4]	Notes [e.g., paint testing (e.g., XRF, lab analysis) indicates paint is or is not lead-based paint; cause(s) of hazard control failures]
Location of Building Component, Dust or Bare Soil	**Building Component, Dust, or Bare Soil Play Area/Non-Play Area**	**Area (sq. ft.)**	**Is Area Small?[2] (Y or N)**	**Probable Cause(s) of Deterioration if Known[3]**				
Bldg 1,2,3,5,6,7 - Under vinyl siding	Exterior Siding	<14,0000		Unknown	NA	N	1.7 – 1.9	XRF

[1]Include room equivalent or exterior side or wall, as appropriate.

[2]Lead-safe work practices and clearance/cleaning verification are not required if work does not disturb painted surfaces that total more than

- For assisted housing: HUD's *de minimis area* of: 20 ft^2 or less on exterior surfaces, 2 ft^2 or less in any one interior room or space, or 10 percent of the total surface area on an interior or exterior type of component with a small surface area (such as trim, window sills, baseboards);
- For unassisted housing, and for child-occupied facilities, EPA's minor repair and maintenance activities threshold of: 6 ft^2 or less per room; or 20 ft^2 or less for exterior activities; provided that no prohibited or restricted work practices were used and no window replacement or demolition of painted surface areas is to be done.

[3]Common causes of paint deterioration are: moisture (indicate source if apparent), mildew, friction or abrasion, impact, damaged or deteriorated substrate, and severe heat.

[4]If paint testing results are obtained on site, use this column to record the result. If a paint chip sample is sent to the laboratory, use this column to record the sample number (or other unique identifier) as a reference to another record containing the sampling data and laboratory results.

Form 5.5 Field Sampling Form for Soil.

(Composite sampling only. Use a separate form for each residential building in a multi-building property.) **Page** 1 **of** 2

Property address: 14049 NE Bel-Red Road, Bellevue, WA Bldg. or Apt. No. _____

Name of property owner: KCHA

Name of risk assessor_____

Type of Area Sampled	Sample Number	Location of Composite Sample(s)	Approximate Area of Bare Soil Represented by Composite Sample ($ft.^2$)	Laboratory Result (ppm or µg/g)
Bare Soil in Play Areas				
Bare Soil in Non-play Areas in Dripline/ Foundation Area	S-1	Building 1 Drip Line	20 SF	52 PPM
	S-2	Building 2 Drip Line	20 SF	80 PPM
		Building 3 Drip Line	20 SF	
	S-3			43 PPM
	S-4	Building 5 Drip Line	20 SF	60 PPM
Bare Soil in Non-play Areas in the Rest of the Yard	S-7	West side of building 5.	15 SF	60 PPM
	S-8	Around Common Sun Deck	20 SF	36 PPM
Weighted average of soil-lead concentration in non-play areas of dripline/foundation areas and the rest of the yard:				

NOTE: EPA hazard standard for bare play area soil is 400 ppm or µg/g; for bare non-play area soil is 1,200 ppm or µg/g.

Total number of samples on this page: 6 Date of sample collection: 1 / 29 / 21

Shipped to lab by: _____ ___/___/___ (signature and date) Received by: _____ ___/___/____

Reviewed by: _____ ___/____/____

Date results reported by lab: _____/____/_____ Reviewed by: _____ ____/___/___

Form 5.5 Field Sampling Form for Soil.

(Composite sampling only. Use a separate form for each residential building in a multi-building property.) **Page** 2 **of** 2

Property address: 14049 NE Bel-Red Road, Bellevue, WA Bldg. or Apt. No. _____

Name of property owner: KCHA

Name of risk assessor_____

Type of Area Sampled	Sample Number	Location of Composite Sample(s)	Approximate Area of Bare Soil Represented by Composite Sample ($ft.^2$)	Laboratory Result (ppm or µg/g)
Bare Soil in Play Areas				
Bare Soil in Non-play Areas in Dripline/ Foundation Area	S-5	Building 6 Drip Linr	20 SF	79 PPM
	S-6	Building 7 Drip Line	20 SF	77 PPM
Bare Soil in Non-play Areas in the Rest of the Yard				
Weighted average of soil-lead concentration in non-play areas of dripline/foundation areas and the rest of the yard:				

NOTE: EPA hazard standard for bare play area soil is 400 ppm or µg/g; for bare non-play area soil is 1,200 ppm or µg/g.

Total number of samples on this page: 2 Date of sample collection: 1/29/21

Shipped to lab by: _____ ___/___/___ (signature and date) Received by: _____ ___/___/____

Reviewed by: _____ ___/____/____

Date results reported by lab: _____/____/_____ Reviewed by: _____ ____/___/___

Form 5.6 Questionnaire for a Lead Hazard Risk Assessment of More Than Four Rental Dwelling Units.

(This form is designed for multiple rental dwellings under one ownership. Such dwellings may be in one or more than one property.)

Name of owner: King County Housing Authority

Name of risk assessor: Janet Murphy Date of completion of this form: 1 / 2 8 / 2 1

1. Information on Properties *(Attach list if there are more than 4 properties.)*

Property Address	Name of Development (if applicable)	Year Built	Year of Substantial Rehabilitation	No. of Buildings	No. of Dwelling Units	Previous LBP Evaluation? *(If yes, obtain report)*	Previous LBP Hazard? *(If yes, obtain report)*	Code Violation Reports? *(If yes, obtain report)*
14049 NE Bel-Red Rd	Illahee Creek-	1968	NA	7	36	No	No	
Bellevue, WA	side Apartments							

2. Information for Targeted Sampling *(Attach list if there are more than 10 dwelling units. It is not necessary to complete the following table if not using targeted sampling. Refer to Chapter 7 for guidance on random sampling.)*

Property Address (For units at same address, enter address once, and enter ditto marks or down- arrow.)	Dwelling unit no.	No. of children < 6 years old	Code violations in past year?	Chronic maintenance problem reported by owner?	Recently prepared for reoccupancy?	Comments
NA						

3. Information on Interior Common Areas *(Attach list if more room needed.)*

Property Address (For common areas at same address, enter address once, and enter ditto marks or down- arrow.)	Interior Common Area Name/Location	Frequented by a Child <6 Years Old?	Comments
14049 NE Bel-Red Rd	Bldg 1 - Common Stairwell	Yes	
14049 NE Bel-Red Rd	Bldg 2 - Common Stairwell	Yes	
14049 NE Bel-Red Rd	Bldg 3 - Common Stairwell	Yes	
14049 NE Bel-Red Rd	Bldg 4 - Common Stairwell	Yes	
14049 NE Bel-Red Rd	Bldg 5 - Common Stairwell	Yes	
14049 NE Bel-Red Rd	Bldg 6 - Common Stairwell	Yes	
14049 NE Bel-Red Rd	Bldg 7 - Common Stairwell	Yes	
14049 NE Bel-Red Rd	Bldg 5 - Community Room	Yes	

4. Information on Play Areas with Bare Soil *(Attach list if more room needed. Obtain information on play areas for all properties. Record the total number of play areas and the location of each common child play area in onsite playgrounds, back-yards, etc.)*

Total number of play areas with bare soil: 0

Property Address (For play areas at same address, enter address once, and enter ditto marks or down- arrow.)	Description of Each Play Area and Its Location *(Identify each play area with a code number within each property, and show code number on site plan sketch(es))*

5. Management Information (Optional)

a. 1) Attach a list of names and contract information for individuals who have responsibility for lead-based paint. Include owner, property manager (if applicable), maintenance supervisor and staff (if applicable), and others. Include any training in lead hazard control work (by inspector, supervisor, worker, etc.) that has been completed. This information will be needed to devise the management plan contained in the risk assessor's report.

2) Is the property owner or property management firm (if separate) a certified lead renovation firm? ❑ Yes ❑ No (If yes, list the name of each certified firm and the expiration date of its renovation firm certification.)

b. Maintenance usually conducted at time of dwelling turnover, including typical cleaning, repainting, and repair activity:

Repainting:_____

Cleaning:_____

Repair:_____

Other:_____

Comments:_____

c. Employee and worker safety plan.

1) Is there an occupational safety and health plan for maintenance workers? ❑ Yes ❑ No (If yes, attach plan.)

2) Are any employees certified lead renovators or certified lead abatement supervisors? ❑ Yes ❑ No (If yes, list, for each certified individual, the person's name, type of certification and certification expiration date.)

3) If answer 2 is "No," Are workers trained in lead hazard recognition? ❑ Yes ❑ No (If yes, what was the title, and who did the training?)

4) Are workers involved in a lead hazard communication program? ❑ Yes ❑ No (If yes, attach plan.)

5) Are workers trained in proper use of respirators? ❑ Yes ❑ No

6) Is there a medical surveillance program pertaining to lead? ❑ Yes ❑ No

7) Is a HEPA vacuum available? ❑Yes ❑ No

d. On-site child care center facilities.

1) Are there any onsite child-care facilities, whether licensed or unlicensed? ❑Yes ❑ No

2) If yes, give location(s): _____

e. Planning for resident children with elevated blood lead levels (EBLs):

1) Who would respond for the owner if a resident child with an EBL is identified?_____

2) Is there a plan to relocate such children? ❑ Yes ❑ No If yes, where?_____

3) Does the owner know if there ever has been a resident child with an elevated blood lead level? ❑ Yes ❑ No ❑ Unknown

f. Routine Inspections. Are there periodic inspections of all dwellings by the owner? ❑ Yes ❑ No

1) If yes, how often? _____

2) Is the paint condition assessed during these inspections? ❑ Yes ❑ No

g. Notification of Residents. If previously detected lead-based paint that is unabated exists in the dwelling, have the residents been informed? ❑ Yes ❑ No ❑Not Applicable

6. Maintenance Information (Optional)

a. Painting frequency and methods /

1) How often is painting completed? Every _____ years
2) Is painting completed upon vacancy, if necessary? ❑ Yes ❑ No
3) Who does the painting? Property Owner_____ Residents_____ (If residents, skip to Question b.)
4) Is painting accompanied by scraping, sanding, or paint removal? ❑ Yes ❑ No
5) How are paint dust/chips cleaned up? (check any that apply)
   Sweeping _____ Vacuum _____ Mopping _____ HEPA/wet wash/HEPA cycle_____
6) Is the work area sealed off during painting? ❑ Yes ❑ No
7) Is furniture removed from the work area? ❑ Yes ❑ No
8) If no, is furniture covered with plastic during work? ❑ Yes ❑ No

b. Is there a preventive maintenance program? ❑ Yes ❑ No

1) If yes, does it include an ongoing maintenance program for lead? ❑ Yes ❑ No (If yes, attach ongoing maintenance plan for lead.)

c. Describe work order system (if applicable, attach copy of work order form).

d. How are resident complaints received and addressed? How are requests prioritized? If formal work orders are issued, is the presence or potential presence of lead-based paint considered in the work instructions?

TAB 4

PUBLICATIONS

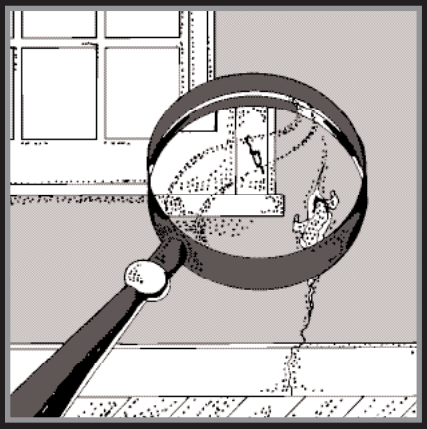
Pamphlet *"Protect Your Family From Lead In Your Home"*
Pamphlet *"Testing Your Home for Lead in Paint, Dust, and Soil"*
Pamphlet *"The Lead-Based Paint Pre-Renovation Education Rule"*

Simple Steps To Protect Your Family From Lead Hazards

If you think your home has high levels of lead:

- Get your young children tested for lead, even if they seem healthy.
- Wash children's hands, bottles, pacifiers, and toys often.
- Make sure children eat healthy, low-fat foods.
- Get your home checked for lead hazards.
- Regularly clean floors, window sills, and other surfaces.
- Wipe soil off shoes before entering house.
- Talk to your landlord about fixing surfaces with peeling or chipping paint.
- Take precautions to avoid exposure to lead dust when remodeling or renovating (call 1-800-424-LEAD for guidelines).
- Don't use a belt-sander, propane torch, high temperature heat gun, scraper, or sandpaper on painted surfaces that may contain lead.
- Don't try to remove lead-based paint yourself.

Recycled/Recyclable
Printed with vegetable oil based inks on recycled paper (minimum 50% postconsumer) process chlorine free.



Protect Your Family From Lead In Your Home

United States Environmental Protection Agency

United States Consumer Product Safety Commission

United States Department of Housing and Urban Development

Are You Planning To Buy, Rent, or Renovate a Home Built Before 1978?

Many houses and apartments built before 1978 have paint that contains high levels of lead (called lead-based paint). Lead from paint, chips, and dust can pose serious health hazards if not taken care of properly.

OWNERS, BUYERS, and RENTERS are encouraged to check for lead (see page 6) before renting, buying or renovating pre-1978 housing.

Federal law requires that individuals receive certain information before renting, buying, or renovating pre-1978 housing:

LANDLORDS have to disclose known information on lead-based paint and lead-based paint hazards before leases take effect. Leases must include a disclosure about lead-based paint.

SELLERS have to disclose known information on lead-based paint and lead-based paint hazards before selling a house. Sales contracts must include a disclosure about lead-based paint. Buyers have up to 10 days to check for lead.

RENOVATORS disturbing more than 2 square feet of painted surfaces have to give you this pamphlet before starting work.

IMPORTANT!

Lead From Paint, Dust, and Soil Can Be Dangerous If Not Managed Properly

FACT: Lead exposure can harm young children and babies even before they are born.

FACT: Even children who seem healthy can have high levels of lead in their bodies.

FACT: People can get lead in their bodies by breathing or swallowing lead dust, or by eating soil or paint chips containing lead.

FACT: People have many options for reducing lead hazards. In most cases, lead-based paint that is in good condition is not a hazard.

FACT: Removing lead-based paint improperly can increase the danger to your family.

If you think your home might have lead hazards, read this pamphlet to learn some simple steps to protect your family.

Lead Gets in the Body in Many Ways

Childhood lead poisoning remains a major environmental health problem in the U.S.

People can get lead in their body if they:

- Breathe in lead dust (especially during renovations that disturb painted surfaces).
- Put their hands or other objects covered with lead dust in their mouths.
- Eat paint chips or soil that contains lead.

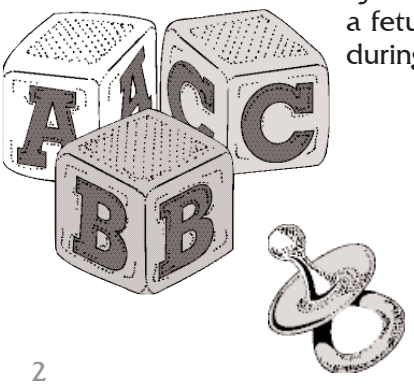
Lead is even more dangerous to children under the age of 6:

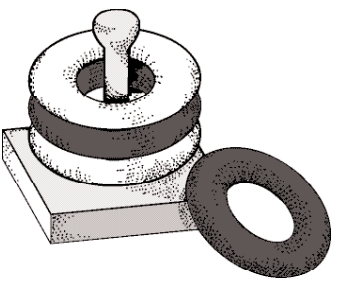
- At this age children's brains and nervous systems are more sensitive to the damaging effects of lead.
- Children's growing bodies absorb more lead.
- Babies and young children often put their hands and other objects in their mouths. These objects can have lead dust on them.

Even children who appear healthy can have dangerous levels of lead in their bodies.

Lead is also dangerous to women of childbearing age:

- Women with a high lead level in their system prior to pregnancy would expose a fetus to lead through the placenta during fetal development.





Lead's Effects

It is important to know that even exposure to low levels of lead can severely harm children.

In children, lead can cause:

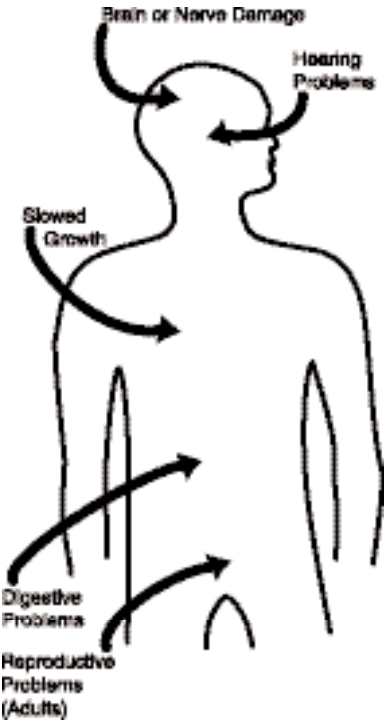
- Nervous system and kidney damage.
- Learning disabilities, attention deficit disorder, and decreased intelligence.
- Speech, language, and behavior problems.
- Poor muscle coordination.
- Decreased muscle and bone growth.
- Hearing damage.

While low-lead exposure is most common, exposure to high levels of lead can have devastating effects on children, including seizures, unconsciousness, and, in some cases, death.

Although children are especially susceptible to lead exposure, lead can be dangerous for adults too.

In adults, lead can cause:

- Increased chance of illness during pregnancy.
- Harm to a fetus, including brain damage or death.
- Fertility problems (in men and women).
- High blood pressure.
- Digestive problems.
- Nerve disorders.
- Memory and concentration problems.
- Muscle and joint pain.



Lead affects the body in many ways.

Where Lead-Based Paint Is Found

In general, the older your home, the more likely it has lead-based paint.

Many homes built before 1978 have lead-based paint. The federal government banned lead-based paint from housing in 1978. Some states stopped its use even earlier. Lead can be found:

- In homes in the city, country, or suburbs.
- In apartments, single-family homes, and both private and public housing.
- Inside and outside of the house.
- In soil around a home. (Soil can pick up lead from exterior paint or other sources such as past use of leaded gas in cars.)

Checking Your Family for Lead

Get your children and home tested if you think your home has high levels of lead.

To reduce your child's exposure to lead, get your child checked, have your home tested (especially if your home has paint in poor condition and was built before 1978), and fix any hazards you may have. Children's blood lead levels tend to increase rapidly from 6 to 12 months of age, and tend to peak at 18 to 24 months of age.

Consult your doctor for advice on testing your children. A simple blood test can detect high levels of lead. Blood tests are usually recommended for:

- Children at ages 1 and 2.
- Children or other family members who have been exposed to high levels of lead.
- Children who should be tested under your state or local health screening plan.

Your doctor can explain what the test results mean and if more testing will be needed.

Identifying Lead Hazards

Lead-based paint is usually not a hazard if it is in good condition, and it is not on an impact or friction surface, like a window. It is defined by the federal government as paint with lead levels greater than or equal to 1.0 milligram per square centimeter, or more than 0.5% by weight.

Lead from paint chips, which you can see, and lead dust, which you can't always see, can both be serious hazards.

Deteriorating lead-based paint (peeling, chipping, chalking, cracking or damaged) is a hazard and needs immediate attention. It may also be a hazard when found on surfaces that children can chew or that get a lot of wear-and-tear, such as:

- Windows and window sills.
- Doors and door frames.
- Stairs, railings, banisters, and porches.

Lead dust can form when lead-based paint is scraped, sanded, or heated. Dust also forms when painted surfaces bump or rub together. Lead chips and dust can get on surfaces and objects that people touch. Settled lead dust can re-enter the air when people vacuum, sweep, or walk through it. The following two federal standards have been set for lead hazards in dust:

- 40 micrograms per square foot ($\mu g/ft^2$) and higher for floors, including carpeted floors.
- 250 $\mu g/ft^2$ and higher for interior window sills.

Lead in soil can be a hazard when children play in bare soil or when people bring soil into the house on their shoes. The following two federal standards have been set for lead hazards in residential soil:

- 400 parts per million (ppm) and higher in play areas of bare soil.
- 1,200 ppm (average) and higher in bare soil in the remainder of the yard.

The only way to find out if paint, dust and soil lead hazards exist is to test for them. The next page describes the most common methods used.

Checking Your Home for Lead

Just knowing that a home has lead-based paint may not tell you if there is a hazard.

You can get your home tested for lead in several different ways:

- A paint **inspection** tells you whether your home has lead-based paint and where it is located. It won't tell you whether or not your home currently has lead hazards.
- A **risk assessment** tells you if your home currently has any lead hazards from lead in paint, dust, or soil. It also tells you what actions to take to address any hazards.
- A combination risk assessment and inspection tells you if your home has any lead hazards and if your home has any lead-based paint, and where the lead-based paint is located.

Hire a trained and certified testing professional who will use a range of reliable methods when testing your home.

- Visual inspection of paint condition and location.
- A portable x-ray fluorescence (XRF) machine.
- Lab tests of paint, dust, and soil samples.

There are state and federal programs in place to ensure that testing is done safely, reliably, and effectively. Contact your state or local agency (see bottom of page 11) for more information, or call **1-800-424-LEAD (5323)** for a list of contacts in your area.

Home test kits for lead are available, but may not always be accurate. Consumers should not rely on these kits before doing renovations or to assure safety.

What You Can Do Now To Protect Your Family

If you suspect that your house has lead hazards, you can take some immediate steps to reduce your family's risk:

- **If you rent, notify your landlord of peeling or chipping paint.**
- **Clean up paint chips immediately.**
- **Clean floors, window frames, window sills, and other surfaces weekly**. Use a mop or sponge with warm water and a general all-purpose cleaner or a cleaner made specifically for lead. REMEMBER: NEVER MIX AMMONIA AND BLEACH PRODUCTS TOGETHER SINCE THEY CAN FORM A DANGEROUS GAS.

- **Thoroughly rinse sponges and mop heads after cleaning dirty or dusty areas**.
- **Wash children's hands often, especially before they eat and before nap time and bed time.**
- **Keep play areas clean.** Wash bottles, pacifiers, toys, and stuffed animals regularly.
- **Keep children from chewing window sills or other painted surfaces.**
- **Clean or remove shoes before entering your home to avoid tracking in lead from soil.**

- **Make sure children eat nutritious, low-fat meals high in iron and calcium,** such as spinach and dairy products. Children with good diets absorb less lead.

Reducing Lead Hazards In The Home

Removing lead improperly can increase the hazard to your family by spreading even more lead dust around the house.

Always use a professional who is trained to remove lead hazards safely.

In addition to day-to-day cleaning and good nutrition:

- You can **temporarily** reduce lead hazards by taking actions such as repairing damaged painted surfaces and planting grass to cover soil with high lead levels. These actions (called "interim controls") are not permanent solutions and will need ongoing attention.
- To **permanently** remove lead hazards, you should hire a certified lead "abatement" contractor. Abatement (or permanent hazard elimination) methods include removing, sealing, or enclosing lead-based paint with special materials. Just painting over the hazard with regular paint is not permanent removal.

Always hire a person with special training for correcting lead problems—someone who knows how to do this work safely and has the proper equipment to clean up thoroughly. Certified contractors will employ qualified workers and follow strict safety rules as set by their state or by the federal government.

Once the work is completed, dust cleanup activities must be repeated until testing indicates that lead dust levels are below the following:

- 40 micrograms per square foot ($\mu g/ft^2$) for floors, including carpeted floors;
- 250 $\mu g/ft^2$ for interior windows sills; and
- 400 $\mu g/ft^2$ for window troughs.

Call your state or local agency (see bottom of page 11) for help in locating certified professionals in your area and to see if financial assistance is available.

Remodeling or Renovating a Home With Lead-Based Paint

Take precautions before your contractor or you begin remodeling or renovating anything that disturbs painted surfaces (such as scraping off paint or tearing out walls):

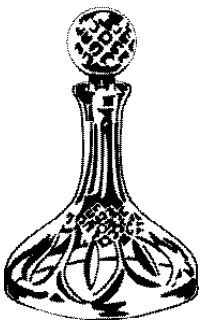
- **Have the area tested for lead-based paint.**
- **Do not use a belt-sander, propane torch, high temperature heat gun, dry scraper, or dry sandpaper** to remove lead-based paint. These actions create large amounts of lead dust and fumes. Lead dust can remain in your home long after the work is done.
- **Temporarily move your family** (especially children and pregnant women) out of the apartment or house until the work is done and the area is properly cleaned. If you can't move your family, at least completely seal off the work area.
- **Follow other safety measures to reduce lead hazards.** You can find out about other safety measures by calling 1-800-424-LEAD. Ask for the brochure "Reducing Lead Hazards When Remodeling Your Home." This brochure explains what to do before, during, and after renovations.

If not conducted properly, certain types of renovations can release lead from paint and dust into the air.

If you have already completed renovations or remodeling that could have released lead-based paint or dust, get your young children tested and follow the steps outlined on page 7 of this brochure.

Other Sources of Lead

While paint, dust, and soil are the most common sources of lead, other lead sources also exist.



- **Drinking water.** Your home might have plumbing with lead or lead solder. Call your local health department or water supplier to find out about testing your water. You cannot see, smell, or taste lead, and boiling your water will not get rid of lead. If you think your plumbing might have lead in it:
  - Use only cold water for drinking and cooking.
  - Run water for 15 to 30 seconds before drinking it, especially if you have not used your water for a few hours.
- **The job.** If you work with lead, you could bring it home on your hands or clothes. Shower and change clothes before coming home. Launder your work clothes separately from the rest of your family's clothes.
- Old painted **toys** and **furniture.**
- Food and liquids stored in **lead crystal** or **lead-glazed pottery or porcelain.**
- **Lead smelters** or other industries that release lead into the air.
- **Hobbies** that use lead, such as making pottery or stained glass, or refinishing furniture.
- **Folk remedies** that contain lead, such as "greta" and "azarcon" used to treat an upset stomach.

For More Information

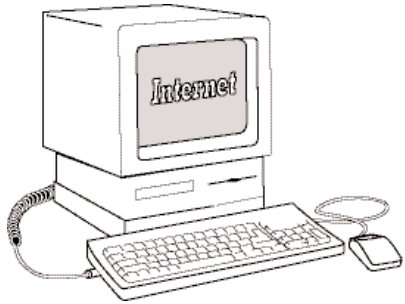
The National Lead Information Center

Call **1-800-424-LEAD (424-5323)** to learn how to protect children from lead poisoning and for other information on lead hazards. To access lead information via the web, visit **www.epa.gov/lead** and **www.hud.gov/offices/lead/.**

EPA's Safe Drinking Water Hotline

Call **1-800-426-4791** for information about lead in drinking water.

Consumer Product Safety Commission (CPSC) Hotline



To request information on lead in consumer products, or to report an unsafe consumer product or a product-related injury call **1-800-638-2772**, or visit CPSC's Web site at: **www.cpsc.gov.**

Health and Environmental Agencies

Some cities, states, and tribes have their own rules for lead-based paint activities. Check with your local agency to see which laws apply to you. Most agencies can also provide information on finding a lead abatement firm in your area, and on possible sources of financial aid for reducing lead hazards. Receive up-to-date address and phone information for your local contacts on the Internet at **www.epa.gov/lead** or contact the National Lead Information Center at **1-800-424-LEAD.**

For the hearing impaired, call the Federal Information Relay Service at **1-800-877-8339** to access any of the phone numbers in this brochure.

EPA Regional Offices

Your Regional EPA Office can provide further information regarding regulations and lead protection programs.

EPA Regional Offices

Region 1 (Connecticut, Massachusetts, Maine, New Hampshire, Rhode Island, Vermont)

Regional Lead Contact
U.S. EPA Region 1
Suite 1100 (CPT)
One Congress Street
Boston, MA 02114-2023
1 (888) 372-7341

Region 2 (New Jersey, New York, Puerto Rico, Virgin Islands)

Regional Lead Contact
U.S. EPA Region 2
2890 Woodbridge Avenue
Building 209, Mail Stop 225
Edison, NJ 08837-3679
(732) 321-6671

Region 3 (Delaware, Maryland, Pennsylvania, Virginia, Washington DC, West Virginia)

Regional Lead Contact
U.S. EPA Region 3 (3WC33)
1650 Arch Street
Philadelphia, PA 19103
(215) 814-5000

Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)

Regional Lead Contact
U.S. EPA Region 4
61 Forsyth Street, SW
Atlanta, GA 30303
(404) 562-8998

Region 5 (Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin)

Regional Lead Contact
U.S. EPA Region 5 (DT-8J)
77 West Jackson Boulevard
Chicago, IL 60604-3666
(312) 886-6003

Region 6 (Arkansas, Louisiana, New Mexico, Oklahoma, Texas)

Regional Lead Contact
U.S. EPA Region 6
1445 Ross Avenue, 12th Floor
Dallas, TX 75202-2733
(214) 665-7577

Region 7 (Iowa, Kansas, Missouri, Nebraska)

Regional Lead Contact
U.S. EPA Region 7
(ARTD-RALI)
901 N. 5th Street
Kansas City, KS 66101
(913) 551-7020

Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming)

Regional Lead Contact
U.S. EPA Region 8
999 18th Street, Suite 500
Denver, CO 80202-2466
(303) 312-6021

Region 9 (Arizona, California, Hawaii, Nevada)

Regional Lead Contact
U.S. Region 9
75 Hawthorne Street
San Francisco, CA 94105
(415) 947-4164

Region 10 (Alaska, Idaho, Oregon, Washington)

Regional Lead Contact
U.S. EPA Region 10
Toxics Section WCM-128
1200 Sixth Avenue
Seattle, WA 98101-1128
(206) 553-1985

CPSC Regional Offices

Your Regional CPSC Office can provide further information regarding regulations and consumer product safety.

Eastern Regional Center
Consumer Product Safety Commission
201 Varick Street, Room 903
New York, NY 10014
(212) 620-4120

Western Regional Center
Consumer Product Safety Commission
1301 Clay Street, Suite 610-N
Oakland, CA 94612
(510) 637-4050

Central Regional Center
Consumer Product Safety Commission
230 South Dearborn Street, Room 2944
Chicago, IL 60604
(312) 353-8260

HUD Lead Office

Please contact HUD's Office of Healthy Homes and Lead Hazard Control for information on lead regulations, outreach efforts, and lead hazard control and research grant programs.

U.S. Department of Housing and Urban Development
Office of Healthy Homes and Lead Hazard Control
451 Seventh Street, SW, P-3206
Washington, DC 20410
(202) 755-1785

U.S. EPA Washington DC 20460
U.S. CPSC Washington DC 20207
U.S. HUD Washington DC 20410

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June 2003

United States
Environmental Protection
Agency

Office of
Pollution Prevention and Toxics
7404

EPA 747-K-00-001
July 2000

Testing Your Home For Lead

In Paint, Dust, And Soil

Preface

About This Publication

This publication is for anyone who is considering having a home or residence tested for lead in paint, dust, or soil by a lead-based paint professional. It explains the technical aspects of lead testing without overwhelming the reader. Thus, commonly asked questions are presented in logical order. The first section tells why you would test for lead, the approaches for testing for lead, and what information you will get from each approach. The second section answers specific questions about how paint, soil, and dust sampling are conducted by a lead-based paint professional in your home. Finally, the last section answers other questions about testing, including questions about home test kits and testing of water and ceramics.

Important:

This publication addresses federal regulations and guidelines. Your state may have its own lead program and different regulations. For more information, contact the National Lead Information Center (NLIC) at **1-800-424-LEAD** or visit **http://www.epa.gov/lead**.

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Section 1: General Questions About Testing Approaches

Section 2: Specific Questions About Testing Paint, Dust, And Soil

Section 3: Miscellaneous Questions Frequently Asked About Testing

Section 1

General Questions About Testing Procedures

Q: Why Should I Test My Home For Lead?

A: There are numerous reasons why you might want to test your home for lead, especially if built before 1978.

I. There Are (Or Will Be) Children Age Six And Younger In The Home

Lead from paint, especially peeling or flaking paint, can get into dust and soil in and around a home. Young children may then swallow the lead during normal hand-to-mouth activity. In addition, an unborn child may be exposed to lead in the mother's womb. High levels of lead in the fetus and in children age six and younger have been linked to nervous system damage, behavior and learning problems, and slow growth. Testing can tell you whether there is lead-based paint or a lead-based paint hazard in your home.

II. You Are About To Remodel, Renovate, Or Repaint Your Home

Any disturbance of lead-based paint can create a hazard by depositing lead chips or particles in the house dust or in the soil around the house. If you are planning on doing renovation, remodeling, or repainting, you should have testing done by a certified lead-based paint professional on any painted surfaces that will be removed, disturbed, scraped, or sanded before starting the work. The EPA brochure *Reducing Lead Hazards When Remodeling Your Home* (see page 16) provides guidelines for renovating or remodeling your home.

If your house was built before 1978 and you hire a professional to renovate, the renovator must, before beginning renovation, give you a copy of the EPA pamphlet *Protect Your Family From Lead In Your Home*.

III. You Are Renting Or Buying A Home

The Federal Lead-Based Paint and Lead-Based Paint Hazards Disclosure Rule requires that the landlord or seller of a residential dwelling built prior to 1978 provide the renter or buyer with:

- The pamphlet *Protect Your Family From Lead In Your Home* and
- Any available information on lead-based paint or lead-based paint hazards in the home.

A buyer must be given the opportunity to conduct testing to determine whether lead-based paint or lead-based paint hazards are present. While you are not required by law to test for lead, it may be advisable if you have (or plan to have) young children in the home.

IV. You Are A Landlord Or Selling A Home

As discussed above, a homeowner is required to provide renters or buyers with any available information on lead-based paint or lead-based paint hazards in homes built before 1978. Testing will give you the information that may be requested by potential renters or buyers.

Q: Why Is Testing Recommended For Houses Built Before 1978?

A: Federal regulations placed a limit on the amount of lead in paint sold for residential use starting in 1978. That is why homes built before 1978 are subject to the Disclosure Rule. The older the home, the greater the chance of lead-based paint and lead-based paint hazards, and the more important it is to have the home tested.

Q: What Kind Of Testing Do I Want?

A: Three different approaches for testing lead are available: a lead-based paint inspection, a risk assessment, and a lead hazard screen. A combination inspection and risk assessment may also be done. Selection of the approach depends on why you are testing.

I. Lead-Based Paint Inspection

A lead-based paint *inspection* is a surface-by-surface investigation to determine whether there is lead-based paint in the home and where it is located. An inspection may be particularly useful before renovation, repainting, or paint removal.

An inspection includes:

- An inventory of all painted surfaces, including the outside as well as the inside of the home. 'Painted surfaces' include all surfaces coated with paint, shellac, varnish, stain, coating, or even paint covered by wallpaper.
- Selection and testing of each type of painted surface.

Then you should get a report listing the painted surfaces in the home and whether each painted surface contains lead-based paint.

An inspection does not typically test painted furniture unless it is a permanent part of the home, such as kitchen or bathroom cabinets or built-in bookshelves. Soil, dust, and water are not typically tested during an inspection.

The presence of lead-based paint in a home does not necessarily mean there is a lead-based paint hazard to occupants. To make sure, you may want a different testing approach (either a risk assessment or hazard screen).

Typical Painted Surfaces Tested During Inspection			
Inside The Home		**Outside The Home**	
Baseboards	Heating Units	Chimneys	Mailboxes
Built-In Cabinets	Railings	Door Trim	Porches
Ceilings	Shelves	Fascia, Soffits	Roofing
Chair Rails	Stairs	Fences	Siding
Doors	Walls	Gutters, Downspouts	Stairs
Fireplaces	Windows	Handrails	Sheds
Floors		Lattice Work	Swing Sets

II. Risk Assessment

A *risk assessment* is an on-site investigation to determine the presence, type, severity, and location of lead-based paint hazards. The presence of deteriorated lead-based paint or high levels of lead in dust or soil pose potential hazards to children who may ingest lead inside or playing outside.

A risk assessment includes:

- A visual inspection of the residence to determine the location of deteriorated paint, the extent and causes of the deterioration, and other factors that may cause lead exposure to young children inside or outside the home.
- Testing deteriorated paint and paint on surfaces where there is reason to believe (from teeth marks or from reports of a parent) that a child has chewed, licked, or mouthed the paint. Painted surfaces in good condition are not tested.
- Testing household dust from floors and windows. Samples should include areas from a child's bedroom, a child's main play area, the main entrance, and other locations to be chosen by the certified Risk Assessor.
- Testing bare soil from play areas, the building foundation, and possibly other areas around the home.
- Optional water testing.

Finally, you should get a report identifying the location of the types of lead-based paint hazards and ways to control them. Because not all paint is tested, a risk assessment cannot conclude that there is no lead-based paint in the home.

An important point is that a risk assessment identifies current lead-based paint hazards. New hazards may arise if lead-based paint is disturbed, damaged, or deteriorates.

If you want to know which painted surfaces contain lead-based paint and whether any lead-based hazards are present, you will need a combination inspection and risk assessment.

III. Lead Hazard Screen

A *lead hazard screen* is a limited version of a risk assessment for houses with a low chance of lead risks.

In a lead hazard screen:

- Any painted surfaces in a deteriorated condition are tested.
- Two sets of dust samples are collected in a lead hazard screen. One set represents the floors and the other set represents the windows. Typically, there is less dust sampling in a lead hazard screen than in a risk assessment.
- Usually soil samples are not collected in a lead hazard screen, with one exception. If there is evidence of paint chips in the soil from previous exterior repainting, then the soil should be sampled and tested.

The outcome of the lead hazard screen is either a conclusion that lead-based paint hazards are probably not present or a recommendation that a full risk assessment be conducted to determine if such hazards are present.

In a lead hazard screen, only deteriorated paint is tested. Thus, a lead hazard screen cannot conclude there is no lead-based paint in the home.

A lead hazard screen is only recommended for residences that are generally in good condition, with little visible dust, and with paint in good condition (very little chipping or flaking). If not, the screen is likely to be a waste of time and money. In general, a lead hazard screen will be more useful in housing built after 1960.

As with a risk assessment, a lead hazard screen identifies current lead-based paint hazards. If there is lead-based paint in the home, new hazards may arise if that paint is disturbed, damaged, or deteriorates.

Q: Who Can Do Lead Testing For Me?

A: It is strongly recommended that testing be performed by a certified Inspector or certified Risk Assessor.

- Certified Inspectors can perform only lead-based paint inspections.
- Certified Risk Assessors can perform both risk assessments and lead hazard screens.

Your state may define the titles for lead-based paint professionals and the types of testing they can perform differently from what this brochure says. You can find out by calling NLIC at **1-800-424-LEAD**.

Q: What Will The Testing Report Tell Me?

A: That will depend on which approach has been used: inspection, risk assessment, or lead hazard screen. Request a sample report before the testing is done so that you may see what information will be provided and how it will be presented. You should also request that actual lead values (not just 'positive' or 'negative' classifications) be provided in the report as evidence that the testing was actually done.

I. Inspection Report

If you have an inspection done, you should receive a report that tells you which painted surfaces were tested and the test results for each surface. An inspection report will not tell you the condition of the lead-based paint or whether lead-based paint hazards exist.

II. Risk Assessment Report

If you have a risk assessment done, you will receive a report that tells you whether there are any lead-based paint hazards and recommends ways to reduce or control any hazards present.

The certified Risk Assessor will take into account the test results and the results of the visual inspection to decide if there are any lead-based paint hazards and how to control them. Lead-based paint hazards identified include lead-based paint in deteriorated condition or on surfaces mouthed by a child. In addition, house dust or bare soil with hazardous lead levels will be identified.

The certified Risk Assessor will provide a list of options for controlling each hazard. Options may include both interim controls and abatement.

- *Interim Controls* – These are short-term or temporary actions. Examples include recommendations to repair deteriorated surfaces that contain lead-based paint, to clean house dust more frequently, or to plant grass or shrubs in areas with bare soil.

- *Abatement* – These are long-term or permanent actions. Examples include replacing old windows, building a new wall over an existing one, or removing soil.

The certified Risk Assessor will also identify the probable source of the paint deterioration and determine whether other repairs are warranted. For example, a water leak may need to be repaired to prevent further damage to the paint.

III. Hazard Screen Report

If you have a lead hazard screen done, the report tells you either that there are probably no lead-based paint hazards in the house or that full-scale risk assessment is needed.

Q: Do I Have To Do Anything After The Testing Is Completed?

A: There is no EPA requirement for you to do anything to any lead-based paint or lead-based paint hazards found when testing your home. However, if your home was built before 1978, you will be required to provide the test results to any renter or buyer when you lease or sell the home. For more information on the responsibilities of sellers, landlords and their agents, contact NLIC at **1-800-424-LEAD** or visit **http://www.epa.gov/lead**.

Be aware that there may be state or other requirements for action based on the test results. You can call NLIC at **1-800-424-LEAD** for information about what is required in your locality before you start testing.

Q: May I Abate Lead-Based Paint Hazards In My Own Home?

A: If you decide to abate lead-based paint hazards in your own home, it is not recommended that you do the work yourself. Abatement activities must be done following careful procedures to prevent contamination of the home with lead dust. To be safe, hire a certified lead-based paint contractor (a certified professional who can do lead-based paint related abatement). Dust samples should be collected to check the thoroughness of the work.

Be aware that you must be certified yourself or you must hire a certified lead-based paint professional in the following cases: 1) if a child with a blood-lead level of 20 µg/dL* or higher for a single venous test (or 15–19 µg/dL in two consecutive tests taken 3 to 4 months apart) lives in the house or 2) you own the house and rent it to someone else.

If you hire a firm to do testing for lead-based paint hazards, note that you are not under any obligation to hire the same firm to do the abatement. In fact, it would be better to have one firm conduct all testing and another firm conduct the abatement work. That will prevent a conflict of interest.

Be sure to maintain a record of the work to help during any future sale or rental of the home.

*Pronounced micrograms of lead per deciliter of blood.

Section 2

Specific Questions About Testing Paint, Dust, And Soil

Q: Are All Painted Surfaces In The Home Tested?

A: Not every single painted surface in the home will be tested in an inspection, but all types of painted surfaces are tested. For example, a room may have three windows, all painted the same color and all made out of wood. The certified Inspector may not test all three windows, because they appear to be the same.

In a similar fashion, the certified Inspector will go through every room and test the different types of painted surfaces in the rooms. Painted surfaces on the outside of the home, detached structures (such as garages), and items like painted fences and swing sets should also be tested.

Inspections differ from risk assessments and lead hazard screens. In a risk assessment, only deteriorated paint and paint that has been mouthed or chewed by a child will be tested. In a lead hazard screen, only deteriorated paint is tested.

Q: How Are Painted Surfaces Tested?

A: There are currently two methods recognized by EPA for testing paint: portable X-Ray Fluorescence (XRF) analyzers and paint chip sampling followed by analysis by a laboratory recognized by EPA's National Lead Laboratory Accreditation Program (NLLAP).

I. Portable X-Ray Fluorescence Analyzers (XRFs)

A portable XRF measures lead in paint, generally without damaging the paint. However, readings from some XRFs are affected by the base material (known as the "substrate") underneath the paint, such as wood, plaster, or metal. For these cases, the certified Inspector removes paint from a few surfaces of each type and takes a measurement on the unpainted surface. These measurements provide a baseline to adjust the lead in paint value. This procedure may do some paint damage. Also, for curved surfaces or very deteriorated paint, XRF analyzers may not read accurately and a paint chip sample may be required.

When a certified lead-based paint professional follows good testing practices,

XRF analyzers provide a fast and reliable method for classifying many painted surfaces. However, some XRF test results may be inconclusive (neither positive nor negative). Then laboratory testing of a paint chip sample may be necessary.

Because the XRF analyzer uses a radiation source to detect lead, occupants in the household should be asked to stay out of rooms behind the surfaces being tested.

II. Paint Chip Sampling And Laboratory Analysis

Paint chip samples are collected for laboratory analysis by removing one to four square inches of paint from the surface. All layers of paint in the sampled area are included in the sample. Usually samples will contain some of the material beneath the paint, such as wood, plaster, or concrete particles. The amount of this material will be kept to a minimum.

Tools such as chisels and scrapers are used to remove the paint. Sometimes a heat gun is used to soften the paint and make the removal easier. If so, a respirator should be worn by the person operating the heat gun for protection from lead and other fumes. In addition, the room or area should be well ventilated to protect occupants.

After collecting the paint chip sample, the certified lead-based paint professional will repair the scraped area so that adjacent paint will not peel or flake off. Any paint chips or dust from the sampling should be cleaned up by the certified lead-based paint professional to ensure no lead dust is left behind.

Paint chip samples should be analyzed for lead by a laboratory recognized by EPA's NLLAP as proficient for testing lead in paint. EPA has established the NLLAP to ensure that laboratory analyses are done accurately. A laboratory on the list is recognized as proficient for testing for lead in whichever of the three sample types (paint, dust, or soil) the laboratory has qualified. The certified Inspector and certified Risk Assessor must ensure that any paint chip samples from your home are analyzed by a laboratory on the NLLAP list for paint. This publication addresses federal regulations and guidelines. Your state may have its own lead program and different regulations. For more information, contact NLIC at **1-800-424-LEAD** or visit **http://www.epa.gov/lead**.

While paint chip sampling followed by laboratory analysis is generally more accurate than XRF testing, sampling and analysis take longer to complete and paint chips must be scraped from many surfaces in the home. In some cases, a surface may be curved or so deteriorated that an XRF cannot be used properly and sampling may be the only way to test the paint.

Q: What Do The Results Of Paint Testing Mean?

A: A certified lead-based paint professional will use guidance specific for each type of XRF analyzer to determine whether a measurement indicates that:

- Lead-based paint is present,
- Lead-based paint is not present, or
- The measurement is inconclusive and a laboratory test is necessary.

The guidance ensures the XRF measurement classifies paint as lead-based when there is 1.0 milligram of lead per square centimeter of painted surface or greater (1.0 mg/cm^2). An XRF analyzer typically reads in mg/cm^2, meaning milligrams per square centimeter.

When the paint chip sampling followed by laboratory analysis method is used, the federal definition of lead-based paint is dependent on how the results are reported.

- If the laboratory report is expressed as weight of lead per weight of paint chip, the federal definition of lead-based paint is 0.5 percent lead (0.5%). This is mathematically the same as 5,000 milligrams of lead per kilogram of

Federal Definition Of Lead-Based Paint Depends On How Test Results Are Reported	
How Test Results Are Reported	**Federal Definition Of Lead-Based Paint**
If results are reported as percent (or equivalent)	Then, in order for it to be considered lead-based paint, the paint must have greater than or equal to 0.5% (which is the same as 5,000 µg/g or 5,000 mg/kg or 5,000 ppm) lead
If results are reported as milligrams per square centimeter	Then, in order for it to be considered lead-based paint, the paint must have greater than or equal to 1 mg/cm^2 lead

paint chip (5,000 mg/kg), or 5,000 micrograms of lead per gram of paint chip (5,000 µg/g), or 5,000 parts per million lead (5,000 ppm).

- If the laboratory report is expressed as a weight of lead per unit area of painted surface, the federal definition of lead-based paint is 1.0 mg/cm^2 (the same as for XRF analysis).

It is possible to report laboratory results in both types of units, but this is rarely done because of the additional time and work required.

Unfortunately, there is no universal definition of lead-based paint. Some state and local governments have definitions of lead-based paint which differ from those in federal law. It is recommended that when there is a conflict between the federal definition and a state or local definition, the more stringent standard (that is, the lower number) be used to define lead-based paint. A certified lead-based paint professional (certified Inspector or certified Risk Assessor) will be aware of and will follow the appropriate standard.

Q: What If No Lead-Based Paint Is Found In My Home?

A: Lead can still be present in paint which is not classified as "lead-based." This would occur when the paint has a lower amount of lead than the federal government regulates. If lead is present in the paint, lead dust can be released when the paint deteriorates, or is disturbed during remodeling, renovation,

sanding, or some maintenance work that breaks the surface of the paint. This is especially important in homes built before 1978. Since the amount of lead in paint was limited by federal regulation in 1978, lead exposure during remodeling and renovation is not as much a concern in newer homes. So you should be careful when there is work that involves extensive breaking of painted surfaces in a home built before 1978. Make sure any dust and debris created by breaking painted surfaces are thoroughly cleaned up, painted surfaces are repaired and left intact when the work is done, and children stay away from the work areas until all repairs and clean-up are completed.

The EPA brochure *Reducing Lead Hazards When Remodeling Your Home* provides guidelines for renovating and remodeling your home. See page 16 for more information on how to order the brochure.

Q: How Are Dust Samples Collected And Analyzed?

A: The most common method for dust collection is a surface wipe sample. Most certified Risk Assessors will use baby wipes or wet wipes to collect dust.

If dust is collected from a floor, an area of one square foot is usually sampled. The area is wiped several times in different directions to pick up all the dust. After sampling, the wipe is placed in a container and sent to a laboratory for analysis. The certified Risk Assessor will also collect wipe samples from windows and measure the surface area wiped.

In some situations, special types of vacuum samplers may be used for dust collection. These are different from home vacuum cleaners, although some may look the same.

The certified lead-based paint professional must send dust samples to a laboratory recognized by EPA's NLLAP that is proficient for dust analysis. This publication addresses federal regulations and guidelines. Your state may have its own lead program and different regulations. For more information, contact NLIC at **1-800-424-LEAD** or visit **http://www.epa.gov/lead**.

Q: What Do The Results Of Dust Sampling Mean?

A: Dust sample results are usually expressed as a weight of lead per unit area of surface. The units will usually be micrograms of lead per square foot. For example, a floor wipe sample may be expressed as 50 micrograms of lead per square foot. This is written as 50 $\mu g/ft^2$. The certified lead-based paint professional will provide guidance in interpreting the results of the dust testing.

Q: How Are Soil Samples Collected And Analyzed?

A: Soil samples are collected from bare soil areas (soil with no grass or other covering) near your home where children play and from bare soil areas near the house foundation or dripline. Optional sampling areas are gardens, pathways, and pet sleeping areas. Samples are collected by coring or scooping methods that take the top half-inch of soil. Samples of non-bare soil may sometimes be collected.

Soil samples must be sent to a laboratory recognized by EPA's NLLAP that is proficient in soil analysis. This publication addresses federal regulations and guidelines. Your state may have its own lead program and different regulations. For more information, contact NLIC at **1-800-424-LEAD** or visit **http://www.epa.gov/lead**.

Q: What Do The Results Of Soil Testing Mean?

A: Results of soil samples are expressed as a weight of lead per unit weight of soil, usually in parts per million. For example, a soil sample result may be 300 parts per million. This is written 300 ppm. The certified lead-based paint professional will help you interpret the results of the soil testing.

Q: What Are Composite Samples?

A: Composite samples are combinations of individual samples analyzed together in a laboratory to obtain a single average result. Both dust and soil samples may be composited. For example, a floor dust sample may be collected in each of three rooms and combined to obtain one composite dust sample to be analyzed by the laboratory. Or four soil samples taken in a play area may be combined to obtain one composite soil sample. Paint samples may also be composited, but this is not as common as compositing dust and soil samples.

Composite samples may often be used in risk assessments and lead hazard screens to reduce the cost of laboratory analysis or to increase the representativeness of a single sample. The disadvantage of composite samples is that information is not available for each room (or location) from which samples were collected.

The certified Risk Assessor will interpret composite sample results, if any. The advantage of composite samples is that information is obtained at reduced cost or more samples are collected for the same cost.

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Section 3

Miscellaneous Questions Frequently Asked About Testing

Q: What Are Home Test Kits?

A: Home test kits are used in the home to detect lead in paint, soil, and dust (and, in some cases, water, dishware, glasses, and ceramics). A reaction occurs causing a color change when chemicals in the kit are exposed to lead.

Q: Does EPA Recommend Test Kits For Paint, Dust, Or Soil Testing?

A: No. EPA does not currently recommend home test kits to detect lead in paint, dust, or soil. Studies show that these kits are not reliable enough to tell the difference between high and low levels of lead. At this time, the kits are not recommended for testing performed by either homeowners or certified lead-based paint professionals.

Q: May I Collect Paint, Dust, And Soil Samples Myself And Send Them To A Laboratory?

A: You may do this, although your samples may not be of the same quality as those collected by a certified lead-based paint professional. If you want to collect samples yourself, it is recommended that you send paint, dust, or soil samples to a laboratory recognized by EPA's NLLAP. A list of NLLAP laboratories is available from NLIC by calling **1-800-424-LEAD**. If the samples contain high levels of lead, you should have a certified lead-based paint professional do a risk assessment of your home.

Q: What About Testing For Lead In Water?

A: Lead pipes and lead solder were once used in plumbing and lead leaked into drinking water. Water testing is not routinely conducted by certified lead-based paint testing professionals, but you may ask for it as an optional service. If you

would like information about testing for lead in water, call the EPA Drinking Water Hotline at **1-800-426-4791**.

Q: What About Testing For Lead In Furniture, Dishware, And Mini-Blinds?

A: Lead may be present in the paint on furniture. If the furniture is old or the paint is damaged, you may want to have it tested. A certified Inspector or certified Risk Assessor may do this testing for you.

Lead may also be present in some glassware (for example, lead crystal) and in glazes found on ceramic ware. The lead may be absorbed into the drink and food stored in these items.

Contact NLIC at **1-800-424-LEAD** or the Food and Drug Administration (FDA) Food Information Line at **1-800-FDA-4010** for information on testing glassware and ceramics or access the FDA webpage at **http://vm.cfsan.fda.gov/~dms/lead.html#advice**.

The Consumer Product Safety Commission (CPSC) has issued a warning that some mini-blinds may contain lead. For further information, contact the CPSC hotline at **1-800-638-2772** or access the CPSC webpage at **http://www.cpsc.gov/cpscpub/prerel/prhtml96/96150.html**.

Contacts For Further Information:

Topic	Agency	Contact Information
Testing ceramic ware and related items	Food and Drug Administration (FDA) Food Information Line	1-800-FDA-4010 http://vm.cfsan.fda.gov/~dms/lead.html#advice
Information on lead in mini-blinds	Consumer Product Safety Commission (CPSC)	1-800-638-2772 http://www.cpsc.gov/cpscpub/prerel/prhtml96/96150.html
State lead programs and regulations, Current list of NLLAP laboratories, Lead brochures and fact sheets, General lead hazard information	National Lead Information Center (NLIC)	1-800-424-LEAD OR for the hearing impaired 1-800-877-8339 http://www.epa.gov/lead/nlic.htm
EPA and HUD related web sites	Environmental Protection Agency Housing and Urban Development	http://www.epa.gov/lead http://www.hud.gov/lea
Information on testing drinking water for lead	EPA Drinking Water Hotline	1-800-426-4791
Information on state and territory lead professional and contractor certification and licensing	EPA Regional Offices Region 1 CT, ME, MA, NH, RI, VT Region 2 NJ, NY, PR, VI Region 3 DE, DC, MD, PA, VA, WV Region 4 AL, FL, GA, KY, MS, NC, SC, TN Region 5 IL, IN, MI, MN, OH, WI Region 6 AR, LA, NM, OK, TX Region 7 IA, KS, MO, NE Region 8 CO, MT, ND, SD, UT, WY Region 9 AS, AZ, CA, GU, HI, NV, NP Region 10 AK, ID, OR, WA	 1-617-918-1524 1-732-321-6671 1-215-814-2084 1-404-562-8998 1-312-886-7836 1-214-665-7577 1-913-551-7518 1-303-312-6021 1-415-744-1069 1-206-553-1985

Additional Reading:

These brochures and fact sheets can be obtained by calling NLIC at **1-800-424-LEAD** or visiting **http://www.epa.gov/lead**.

Buying A Home? Here's What You Need To Know About Lead-Based Paint, EPA brochure, EPA publication number EPA 747-F-99-001 (January 2000).

Lead In Your Home: A Parent's Reference Guide, EPA brochure, EPA publication number EPA 747-B-99-003 (May 1999).

Protect Your Family From Lead In Your Home, EPA/CPSC/HUD brochure, EPA publication number EPA 747-K-99-001 (April 1999).

Reducing Lead Hazards When Remodeling Your Home, EPA brochure, EPA publication number EPA 747-K-97-001 (September 1997).

Runs Better Unleaded: How to Protect Your Children from Lead Poisoning, EPA brochure, EPA publication number EPA 747-F-99-005A (August 1999).

Selecting a Laboratory for Lead Analysis: The EPA National Lead Laboratory Accreditation Program, EPA brochure, EPA publication number EPA 747-F-99-002 (April 1999).

The Lead-Based Paint Pre-Renovation Education Rule, EPA handbook, EPA publication number EPA 747-B-99-004 (September 1999).

Disclosure of Lead-Based Paint Hazards in Housing, EPA/HUD fact sheet, EPA publication number EPA 747-F-96-002 (March 1996).

United States
Environmental Protection Agency
(7404)
Washington, DC 20460

Official Business
Penalty for Private Use $300

First Class Mail
Postage and Fees Paid
EPA
G-35

United States
Environmental Protection
Agency

EPA 747-B-99-004
September 1999

Pollution Prevention and Toxics (7404)

EPA

The Lead-Based Paint Pre-Renovation Education Rule

a handbook for contractors, property managers, and maintenance personnel

LEAD Awareness Program

What Is The Lead-Based Paint Pre-Renovation Education Rule (Lead PRE)?

- The Lead PRE Rule is a Federal regulation affecting construction contractors, property managers, and others who perform **renovations** for **compensation** in residential housing that may contain lead-based paint.
- It applies to residential houses and apartments built before 1978.
- It requires distribution of the **lead pamphlet**, *Protect Your Family from Lead in Your Home*, to the owners and occupants before starting **renovation** work.
- **Renovation** includes most repair, remodeling, and maintenance activities that disturb painted surfaces.
- Lead PRE implements Section 406(b) of the Toxic Substances Control Act (TCSA).

About This Handbook

- This handbook summarizes Lead PRE and how to comply with it. To ensure compliance, you should also read the rule.
- Key terms are highlighted in **bold** and are explained on pages 8-10.

Who Should Read This Handbook?

- Anyone who owns or manages housing built before 1978.
- Contractors who perform **renovations** (including certain repairs and maintenance) which disturb paint in homes built before 1978.

How Can This Handbook Help Me?

- This handbook presents simple steps to follow to comply with Lead PRE. It also lists ways these steps can be easily incorporated into your work.
- Having demonstrated knowledge of lead requirements and safety practices can mean more business for you.
- Distributing the **lead pamphlet** to your customers and tenants can help them protect themselves and their children from the hazards of lead-based paint.
- This handbook describes the law. It also explains the proper steps to take to avoid potentially significant civil (monetary) and criminal fines and penalties.

What Does Lead PRE Require Me To Do?

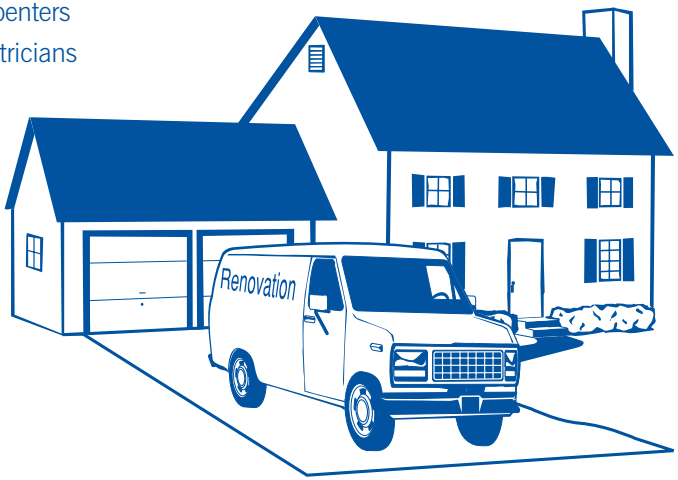
1. Distribute a **lead pamphlet** to the housing **owner** and occupants before **renovation** starts.
2. Obtain **confirmation of receipt of lead pamphlet** (see page 11) from owner and occupants or a **certificate of mailing** from the post office.
3. For work in **common areas** of **multi-family housing**, distribute **renovation notices** to tenants.
4. Retain records for 3 years.

(See page 4 for more details)

Who Must Follow These Requirements?

In general, anyone whose compensated work disturbs paint in housing built before 1978, including:

- Residential rental property owners/managers
- **General contractors**
- **Special trade contractors**, including
  - Painters
  - Plumbers
  - Carpenters
  - Electricians



What Types Of Activities Are Subject To Lead PRE?

In general, any activity that disturbs paint in pre-1978 housing, including:

- Remodeling and repair/maintenance
- Plumbing
- Carpentry
- Electrical work
- Painting
- Window replacement

What Housing Or Activities Are Excluded From Lead PRE?

- Housing built in 1978 or later
- **Housing for the elderly** or disabled persons (unless children will reside there)
- **Zero-bedroom dwellings** (studio apartment, dormitories, etc.)
- Housing or **components** declared lead-free by a **certified inspector** or **risk assessor**
- **Emergency renovations** and repairs
- **Minor repairs and maintenance** that disturb two square feet or less of paint per **component**

Lead PRE At-A-Glance

If you will be working for **compensation** in a pre-1978 home or apartment building, answer the questions below to determine if Lead PRE requires you to give the **lead pamphlet** to the **owner** and occupants.

Does this job involve **renovations** which disturb painted surfaces?

NO → **Lead PRE Does Not Apply**

YES

Are ANY of the following conditions present?

- The work is an **emergency renovation**
- The work is a **lead abatement** project
- The work consists of **minor repairs or maintenance** that disturbs 2 square feet or less of painted surfaces
- The housing or its **components** have been determined to be lead-based paint free by a **certified inspector** or **risk assessor**
- The housing is a **zero-bedroom dwelling** (studio apartments, dormitories, etc.)
- The housing is **housing for the elderly** or disabled AND children are not expected to reside there

YES → **Lead PRE Does Not Apply**

If Any Yes

NO

If All No

If no, then you need to provide the lead pamphlet (see page 4).

How Do I Meet The Lead PRE Requirements?

Renovation Location	Procedures to Follow
Renovations in Owner-Occupied Dwelling Units	Box 1 Deliver **lead pamphlet** to **owner** before **renovation** begins and obtain **confirmation of receipt**. **OR** Mail lead pamphlet to owner 7 days before renovation begins and document with **certificate of mailing**
Renovations in Tenant-Occupied Dwelling Units	Box 2 1. Provide **lead pamphlet** to **owner** using either procedure described in Box 1 above. 2. Provide lead pamphlet to tenant by either method below: (a) Deliver pamphlet to dwelling unit before **renovation** begins and document delivery with either a **confirmation of receipt** of lead pamphlet or a **self-certification of delivery**. **OR** (b) Mail lead pamphlet to tenant at least 7 days prior to renovation and document with a **certificate of mailing**
Renovations in Common Areas of Multi-Family Housing Units	Box 3 1. Provide **owner** with **lead pamphlet** using either procedure described in Box 1 above. 2. Notify tenants and make pamphlet available. 3. Maintain written documentation describing notification procedures. 4. Provide **supplemental renovation notice** if changes occur in location, timing, or scope of renovation occurring.

For all options keep records for 3 years after renovation is completed.
(Sample Forms on pages 11 and 12.)

Special Circumstances

Is painting considered renovation, even if no surface preparation activity occurs?

No. If the surface to be painted is not disturbed by sanding, scraping, or other activities that may cause dust, the work is not considered renovation and Lead PRE does *not* apply.

What if I renovate my own home?

Lead PRE applies only to **renovations** performed for **compensation**; therefore, if you work on your own home Lead PRE does not apply.

Is a renovation performed by a landlord or employees of a property management firm considered a compensated renovation under Lead PRE?

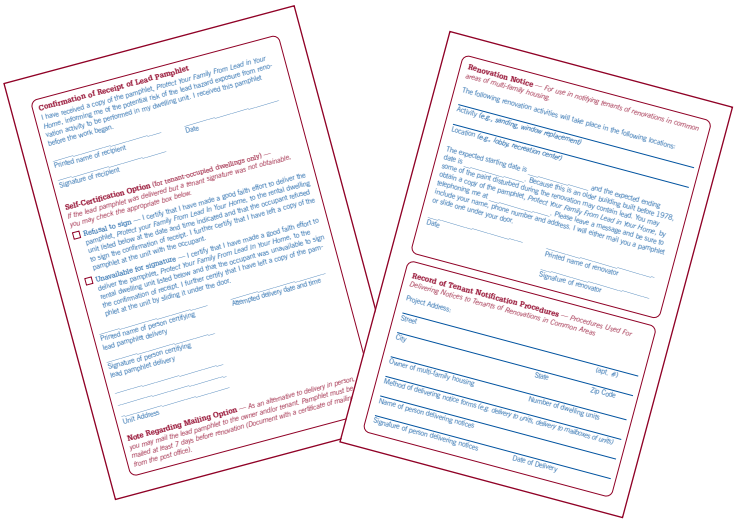
Yes. The receipt of rent payments or salaries derived from rent payments is considered **compensation** under Lead PRE. Therefore, **renovation** activities performed by landlords or employees of landlords are covered.

Do I have to give out the lead pamphlet 7 days prior to beginning renovation activities?

The 7-day advance delivery requirement applies only when you deliver the **lead pamphlet** via mail; otherwise, you may deliver the pamphlet *anytime* before the **renovation** begins. Note, however, that the renovation must begin within 60 days of the date that the pamphlet is delivered. So for example, if your renovation is to begin May 30, you may deliver the pamphlet in person anytime between April 1 and start of the project on May 30, or you may deliver the pamphlet via mail anytime between April 1 and May 23.

Tips For Easy Compliance

1. Copy and use the sample forms on pages 11 and 12 of this handbook.
2. Attach the forms to the back of your customer **renovation** or repair contracts. The completed forms can be filed along with your regular paperwork.
3. If a tenant is not home or refuses to sign the form, you may use the "self-certification" section of the form *(on page 11)* to prove delivery. This will reduce your paperwork.
4. Plan ahead to obtain enough copies of the **lead pamphlet**.



Where Can I Obtain More Information on Lead PRE?

Further information is available from the National Lead Information Clearinghouse (800-424-LEAD) or through the Internet (www.epa.gov/lead). Available resources include:

- Full text version of Lead PRE
- Interactive software which guides the users through the Lead PRE requirements on a step-by-step basis *(available in late June)*
- Interpretive guidance which provides more detailed information on Lead PRE requirements

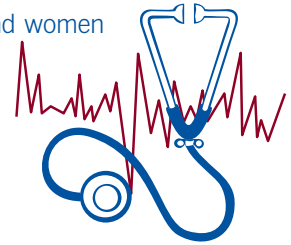
Why is Lead Paint Dangerous?

People can ingest lead by breathing or swallowing lead-based paint dust or by eating lead-contaminated soil or lead-based paint chips. Household animals are also at risk.

If not detected early, high levels of lead in a child can cause serious effects, including:

- Damage to the brain and nervous system
- Behavior and learning problems
- Slowed growth
- Hearing problems
- Headaches

Lead is also harmful to adults and can, among other effects, cause:



- Difficulties during pregnancy
- Other reproductive problems for men and women
- High blood pressure
- Digestive problems
- Nerve disorders
- Memory and concentration problems
- Muscle and joint pain

Lead can be dangerous to workers and their families if the worker brings equipment and clothing home after a job.

Other Resources

For additional information on how to protect yourself and your customers from lead paint hazards, call the National Lead Information Clearinghouse at 1-800-424-LEAD. Available documents include:

- *Lead-Based Paint: Operations and Maintenance Work Practices Manual for Homes and Buildings*
- *Lead Safety for Property Owners, Developers, and Managers*
- *Reducing Lead Hazards When Remodeling Your Home*
- *Lead in Your Home: A Parents' Reference Guide*
- *Lead Paint Safety: A Field Guide for Painting, Home Maintenance, and Renovation Work*

Key Terms

Certificate of Mailing — written verification from the Postal Service that you mailed the lead pamphlet to an owner or a tenant. This is less expensive than certified mail, which is also acceptable for meeting Lead PRE requirements. *(**Note:** If using this delivery option, you must mail the pamphlet at least 7 days prior to the start of renovation.)*

Certified Inspector or Risk Assessor — an individual who has been trained and is certified by EPA or an authorized state or Indian Tribe to conduct lead-based paint inspections or risk assessments.

Common Area — a portion of a building that is generally accessible to all residents or users. Common areas include (but are not limited to) hallways, stairways, laundry rooms, recreational rooms, playgrounds, community centers, and fenced areas. The term applies to both interiors and exteriors of the building. *(**Note:** Lead PRE requirements related to common areas apply only to multi-family housing.)*

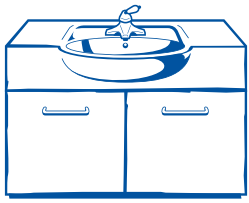
Compensation — payment or goods for services rendered. Payment can be in the form of money, goods, or services (bartering).

Component — specific design or structural element or fixture distinguished by its form, function, and location. A component can be located inside or outside the dwelling.

Examples

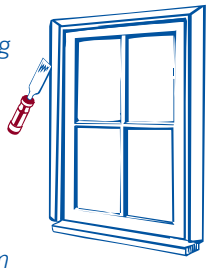
Interiors

Ceilings
Crown molding
Walls
Doors and trim
Floors
Fireplaces
Radiators
Shelves
Stair treads
Windows and trim
Built-in cabinets
Beams
Bathroom vanities
Counter tops
Air conditioners



Exterior

Painted roofing
Chimneys
Flashing
Gutters and downspouts
Ceilings
Soffits
Doors and trim
Fences
Floors
Joists
Handrails
Window sills and sashes
Air conditioners



Confirmation of Receipt of Lead Pamphlet — a form that is signed by the owner or tenant of the housing confirming that they received a copy of the lead pamphlet before the renovation began. *(See sample on page 11.)*

Key Terms (continued)

Emergency Renovation — unplanned renovation activities done in response to a sudden, unexpected event which, if not immediately attended to presents a safety or public health hazard, or threatens property with significant damage.

Examples 1: *Renovation to repair damage from a tree that fell on a house*
2: *Renovation to repair a water pipe break in an apartment complex*

General Contractor — one who contracts for the construction of an entire building or project, rather than for a portion of the work. The general contractor hires subcontractors (e.g. plumbing, electrical, etc.), coordinates all work, and is responsible for payment to subcontractors.

Housing for the Elderly — retirement communities or similar types of housing specifically reserved for households of one or more persons 62 years of age or older at the time the unit is first occupied.

Lead Abatement — work designed to permanently eliminate lead-based paint hazards. If you are hired to do lead-abatement work only, Lead PRE does not apply. Abatement does not include renovation, remodeling, landscaping, or other activities done to repair, restore, or redesign a given building — even if these activities incidentally reduce lead-based paint hazards. *(**Note:** Some states define this term differently than described above. Consult your state officials if you are not sure how "lead abatement" is defined in your state.)*

Lead Pamphlet — the pamphlet *Protecting Your Family From Lead in Your Home,* or an EPA-approved alternative pamphlet. *(See page 13 for information on obtaining copies.)*

Minor Repair and Maintenance — minor repair and maintenance activities, such as minor electrical work or plumbing, that disturb two square feet or less of painted surface per component.

Examples 1: *Drilling holes in the wall to run an electrical line*
2: *Replacing a piece of window trim*
3: *Replacing a light fixture*

Multi-family Housing — housing property consisting of more than four dwelling units.

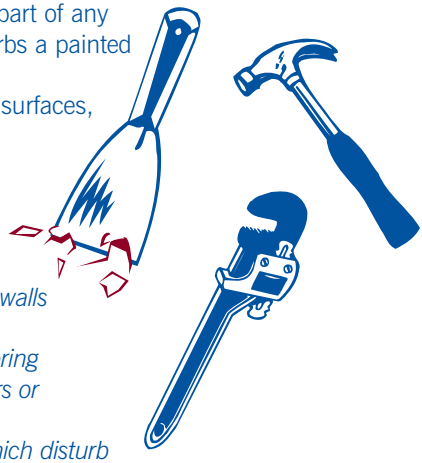
Owner — any person or entity that has legal title to housing, including individuals, partnerships, corporations, government agencies, Indian Tribes, and nonprofit organizations.

Record of Notification — written statement documenting the steps taken to notify occupants of renovation activities in common areas of multi-family housing. *(See page 12 for sample.)*

Key Terms (continued)

Renovation — modification of all or part of any existing structure in housing that disturbs a painted surface. Includes:

- Removal/modification of painted surfaces, components, or structures
- Surface preparation activities (sanding/scraping/other activities that may create paint dust)
- Window replacement



Examples 1: *Demolition of painted walls or ceilings*

2: *Large surface replastering*

3: *Major plumbing repairs or improvements*

4: *Any other activities which disturb painted surfaces*

Renovation Notice — notice to tenants of renovations in common areas of multifamily housing. *(See sample form on page 12.)* Notice must describe nature, location, and expected timing of renovation activity; and must explain how the lead pamphlet may be obtained free of charge.

Renovator — a person who performs for compensation a renovation, as defined above. *(**Note:** Because the term "renovation" is defined broadly by Lead PRE, many contractors who are not generally considered to "renovators," as that term is commonly used, are considered to be "renovators" under Lead PRE, and must follow Lead PRE requirements.)*

Self-Certification of Delivery — an alternative method of documenting delivery of the lead pamphlet to a tenant. This method may be used whenever the tenant is unavailable or unwilling to sign a confirmation of receipt of lead pamphlet. *(See sample form on page 11.)* (***Note:** This method is not a permissible substitute for delivery of the lead pamphlet to an owner.)*

Special Trade Contractors — individuals or companies performing work in specialized occupations such as painting, electrical work, plumbing, or carpentry.

Supplemental Renovation Notice — additional notification that is required when the scope, location, or timing of project changes.

Zero-Bedroom Dwelling — any residential dwelling where the living area is not separated from the sleeping area. This term includes efficiency and studio apartments, dormitory housing, and military barracks.

Sample Forms

The forms on the next two pages are sample forms you can use to make documentation of compliance easier.

Confirmation of Receipt of Lead Pamphlet

I have received a copy of the pamphlet, *Protect Your Family From Lead in Your Home*, informing me of the potential risk of the lead hazard exposure from renovation activity to be performed in my dwelling unit. I received this pamphlet before the work began.

_____ _____

Printed name of recipient Date

_____

Signature of recipient

Self-Certification Option (for tenant-occupied dwellings only) — *If the lead pamphlet was delivered but a tenant signature was not obtainable, you may check the appropriate box below.*

☐ Refusal to sign — I certify that I have made a good faith effort to deliver the pamphlet, *Protect your Family From Lead In Your Home,* to the rental dwelling unit listed below at the date and time indicated and that the occupant refused to sign the confirmation of receipt. I further certify that I have left a copy of the pamphlet at the unit with the occupant.

☐ Unavailable for signature — I certify that I have made a good faith effort to deliver the pamphlet, *Protect Your Family From Lead In Your Home,* to the rental dwelling unit listed below and that the occupant was unavailable to sign the confirmation of receipt. I further certify that I have left a copy of the pamphlet at the unit by sliding it under the door.

_____ _____

Printed name of person certifying lead pamphlet delivery Attempted delivery date and time

_____

Signature of person certifying lead pamphlet delivery

_____

_____

_____

Unit Address

Note Regarding Mailing Option — *As an alternative to delivery in person, you may mail the lead pamphlet to the owner and/or tenant. Pamphlet must be mailed at least 7 days before renovation (Document with a certificate of mailing from the post office).*

Sample Forms (continued)

Renovation Notice — *For use in notifying tenants of renovations in common areas of multi-family housing.*

The following renovation activities will take place in the following locations:

_____

Activity *(e.g., sanding, window replacement)*

_____

Location *(e.g., lobby, recreation center)*

The expected starting date is _____ and the expected ending date is _____. Because this is an older building built before 1978, some of the paint disturbed during the renovation may contain lead. You may obtain a copy of the pamphlet, *Protect Your Family From Lead in Your Home*, by telephoning me at _____. Please leave a message and be sure to include your name, phone number and address. I will either mail you a pamphlet or slide one under your door.

_____ _____

Date Printed name of renovator

_____

Signature of renovator

Record of Tenant Notification Procedures — *Procedures Used For Delivering Notices to Tenants of Renovations in Common Areas*

Project Address:

_____

Street (apt. #)

_____

City State Zip Code

_____

Owner of multi-family housing Number of dwelling units

_____

Method of delivering notice forms *(e.g. delivery to units, delivery to mailboxes of units)*

_____

Name of person delivering notices

_____

Signature of person delivering notices Date of Delivery

Where Can I Get Copies of the **Lead Pamphlet**?

For single copies of *Protect Your Family From Lead in Your Home* (in Spanish or English), call the National Lead Information Clearinghouse (NLIC) at 1-800-424-LEAD. For any orders, be sure to use the stock reference number **EPA747-K-99-001**.

There are four ways to get multiple copies:

1. **Call the Government Printing Office order desk at (202) 512-1800.**
2. **Send fax requests to (202) 512-2233.**
3. Request copies in writing from:

   Superintendent of Documents
   P.O. Box 371954
   Pittsburgh, PA 15250-7954
4. **Obtain via the Internet at www.epa.gov/lead**

Single copies are available at no charge. Bulk copies available in packs of 50.

The pamphlet may be photocopied for distribution as long as the text and graphics are readable. Camera-ready copies are available from NLIC or via the Internet.

The Lead Pre-Renovation Education Rule (Lead PRE) At-A-Glance

If you will be working for **compensation** in a pre-1978 home or apartment building, answer the questions below to determine if Lead PRE requires you to give the **lead pamphlet** to the **owner** and occupants.

Does this job involve **renovations** which disturb painted surfaces?

NO → **Lead PRE Does Not Apply**

YES

Are ANY of the following conditions present?

- The work is an **emergency renovation**
- The work is a **lead abatement** project
- The work consists of **minor repairs or maintenance** that disturbs 2 square feet or less of painted surfaces
- The housing or its **components** have been determined to be lead-based paint free by a **certified inspector** or **risk assessor**
- The housing is a **zero-bedroom dwelling** (studio apartments, dormitories, etc.)
- The housing is **housing for the elderly** or disabled AND children are not expected to reside there

YES → **Lead PRE Does Not Apply**

If Any Yes

NO *If All No*

If no, then you need to read this book! Rental property owners and managers, renovators, and maintenance personnel are affected by Lead PRE.

Bold Type = Key Terms (see pages 8–10 inside)

TAB 5

CERTIFICATIONS

Risk Assessor
Consulting Firm
Analytical Laboratory

Lead-Based Paint Program

Janet J Murphy

Risk Assessor

Cert #0258

Expires 3/8/2022

Department of Commerce

Innovation is in our nature.

STATE OF WASHINGTON

Department of Commerce

Lead-Based Paint Abatement Firm

PBS Engineering & Environmental Inc.

Has fulfilled the certification requirements of
WAC 365-230
and has been certified to conduct lead-based
paint activities.

Certification #	Issuance Date	Expiration Date
178	01/06/2020	09/03/2022

March 29, 2019

Laboratory ID: 101861

Nghiep Vi Ly
NVL Laboratories, Inc.
4708 Aurora Avenue N.
Seattle, WA 98103

Dear Mr./Ms. Ly:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved NVL Laboratories, Inc. as an accredited Industrial Hygiene, Environmental Lead, Environmental Microbiology and Unique Scope laboratory.

Accreditation documentation includes the IHLAP, ELLAP, EMLAP and Unique Scopes accreditation certificate, scope of accreditation document and a copy of the current AIHA-LAP, LLC license agreement (if your completed agreement is not on file at AIHA-LAP, LLC). The accreditation symbol has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the symbol in its advertising the laboratory's accreditation, you must complete and return the AIHA-LAP, LLC license agreement to a Laboratory Accreditation Specialist. Once submitted, an electronic copy of the accreditation symbol will be sent to you.

Laboratory accreditation shall be maintained by continued compliance with IHLAP, ELLAP, EMLAP and Unique Scopes requirements *(see Policy Modules 2B, 2C, 2D, 2E, and 6),* which includes proficient participation in AIHA-LAP, LLC approved proficiency testing, demonstration of competency, or round robin program as indicated on the AIHA-LAP "Approved PT and Round Robin" webpage, its associated Scope/PT table, and as required in Policy Module 6, for all Fields of Testing (FoTs) for which the laboratory is accredited. An accredited laboratory that wishes to expand into a new FoT must submit an updated accreditation application to AIHA-LAP, LLC for review by the AAB.

Any changes in ownership, laboratory location, personnel, FoTs/Methods, or significant procedural changes shall be reported to AIHA-LAP, LLC in writing within twenty (20) business days of the change.

The accreditation certificate is the property of AIHA-LAP, LLC and must be returned to us should your laboratory withdraw or be removed from the IHLAP, ELLAP, EMLAP and Unique Scopes.

Again, congratulations. If you have any questions, please contact Lauren Schnack, Laboratory Accreditation Specialist, at (703) 846-0716.

Sincerely,

Cheryl O. Morton

Cheryl O. Morton
Managing Director

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

NVL Laboratories, Inc.

4708 Aurora Avenue N., Seattle, WA 98103

Laboratory ID: 101861

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 17025:2017 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: June 01, 2021
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: June 01, 2021
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: June 01, 2021
☐	**FOOD**	Accreditation Expires:
✓	**UNIQUE SCOPES**	Accreditation Expires: June 01, 2021

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 17025:2017 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.

Beth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

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

Revision 17 – 09/11/2018

Date Issued: 03/29/2019

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Avenue N., Seattle, WA 98103

Laboratory ID: **101861**
Issue Date: 03/29/2019

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.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 04/01/1997

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Spectrometry Core	Atomic Absorption	FAA	NIOSH 7082	
	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300	
	X-ray Diffraction (XRD)		NIOSH 7500	
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400	
Miscellaneous Core	Gravimetric		NIOSH 0500	
			NIOSH 0600	

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

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Avenue N., Seattle, WA 98103

Laboratory ID: **101861**
Issue Date: 03/29/2019

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 and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 02/07/1997

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description (*for internal methods only*)
Paint		EPA SW-846 3051	
		EPA SW-846 7000B	
Soil		EPA SW-846 3051	
		EPA SW-846 7000B	
Settled Dust by Wipe		EPA SW-846 3051	
		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

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Avenue N., Seattle, WA 98103

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Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 02/01/1997

EMLAP Category	Field of Testing (FoT)	Method	Method Description *(for internal methods only)*
Fungal	Air - Direct Examination	SOP 12.133	In-House: Analysis of Spore Trap
	Bulk - Direct Examination	SOP 12.133	In-House: Bulk Analysis
	Surface - Direct Examination	SOP 12.133	In-House: Analysis of Surface Wipe

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

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Avenue N., Seattle, WA 98103

Laboratory ID: **101861**
Issue Date: 03/29/2019

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.

Unique Scopes Laboratory Accreditation Program (Unique Scopes)

Initial Accreditation Date: 04/01/2013

Unique Scope Category	Field of Testing (FoT)	Method	Method Description (*for internal methods only*)
Consumer Product Testing	Lead in Paint and Other Similar Surface Coatings	CPSC-CH.E1003-10	
	Total Lead in Metal Children's Product	CPSC-CH.E1001-08	
	Total Lead in Non-Metal Children's Products	CPSC-CH.E1002-08	

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