CHEROKEE NATION
Environmental Programs

LEAD-BASED PAINT INSPECTION & RISK ASSESSMENT REPORT

Conducted At:

Name #13894
Address: 112 N Bucy Ave
City State Zip: Bartlesville, OK 74003
Coordinates: 36.7539, -95.9940
Built in: 1930

Prepared For:

HACN Housing Rehabilitation - George Hubbard
Using ODEQ, EPA and CN Work Practice Standards
Established in 40 CFR 745-227

Inspected By:

Logan Girty

Logan Girty
OKRASR13822, CNRASR00037

Cherokee Nation Environmental Programs
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Cherokee Nation Firm: CNFIRM00001

Report Date: August 15, 2025

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1.0 EXECUTIVE SUMMARY

A lead based paint inspection was conducted at the Brenda Killough site on July 30, 2025 as requested by the Cherokee Nation Housing Rehabilitation Department. The inspection **confirmed the presence of lead** in amounts greater than or equal to 1.0 mg/cm^2 in paint, using the inspection protocol in Chapter 7 of the U.S. Department of Housing and Urban Development's (HUD) Guidelines for the Evaluation of Control of Lead-Based Paint Hazards in Housing (2012). A Risk Assessment was performed to fulfill the requirements for a federally assisted rehabilitation on August 7, 2025.

The full inspection report can be found in Appendix A (XRF Field Data Sheets). Building components that were unable to be tested with an XRF and are assumed positive include the following:

N/A

The following is a summary of the survey findings for the subject property:

Interior Lead-Based Paint

- No Interior Lead Paint identified

Exterior Lead-Based Paint

- Window, Wood Side A,B&D
- Porch Ceiling, Wood A
- Porch Beam, Wood A
- Porch Knee Brace, Wood A
- Soffit, Wood A
- Fascia, Wood A

Deteriorated Lead-Based Paint
(Lead-Based Paint Hazards)

- Window, Wood Side A,B&D
- Porch Beam, Wood A
- Porch Knee Brace, Wood A
- Soffit, Wood A
- Fascia, Wood A

Lead in Dust Hazards

- Kitchen Floor
- Kitchen Window Sill
- Bath Window Trough
- Bath Window Sill

Lead in Soil Hazards

- No lead in soil hazards were identified

This executive summary has been prepared for the convenience of the users of this report. This summary does not contain all the information presented in this report and, therefore, the entire report should be read to assure all pertinent information is transmitted.

2.0 DISCLOSURE

A copy of this report or a summary of this report must be provided to new lessees (tenants) and purchasers of the property under Federal law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must also be provided to new purchasers and it must be made available to new tenants. Property owners (leasers) and sellers are also required to distribute an educational pamphlet approved by the US Environmental Protection Agency (EPA) and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards

3.0 INSPECTION/ RISK ASSESSMENT METHODOLOGY

3.1 SURFACE-BY-SURFACE INSPECTION METHODOLOGY

A surface-by-surface lead-based paint inspection was performed to identify interior and exterior building components finished with lead-based paint. The inspection was performed inside the residence and on exterior surfaces of the residence using a portable X-Ray Fluorescence Analyzer (XRF). The inspection was limited to accessible painted and/or varnished surfaces. All substrates within inaccessible rooms are assumed positive for lead-based paint until access is available to prove otherwise.

The inspection was conducted in accordance with the EPA's work practice standards for conducting lead-based paint activities (40 CFR 745.227), HUD's Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (Guidelines) with the 2012 revisions. Samples were collected to represent component types; therefore, it should be assumed that similar component types in the rest of that room or room equivalent also contain lead-based paint. When standing in any four-sided room facing side A, which coincides with the front of the dwelling, side B will be to the right, side C will be to the rear, and side D will be to the left (clockwise from side A).

When evaluating this report it is assumed that, according to Chapter 7 HUD Guidelines, if one testing combination (i.e. window, door) is positive for lead in an interior or exterior room equivalent, all other similar testing combinations in those areas are assumed to be positive. The same is true for negative readings.

3.2 X-RAY FLUORESCENCE ANALYZER LEAD DETECTOR

The sampling strategy utilized to determine the presence of lead-based paint adheres to the EPA Performance Characteristic Sheet for the particular XRF instrument used, as well as the manufacturers' modifications and recommendations. The Viken PB200e lead x-ray fluorescence analyzer (Serial Number: 3177) was used for detection of building components finished with lead-based paint. The instrument was manufactured by Viken Detection, 21 North Avenue, Burlington, MA 01803. The radioactive source is cobalt-57 and was last resourced on May 25, 2024.

Samples may be classified as positive or negative. Positive results indicate lead in quantities greater than 1.0 mg/cm2 and are considered lead-based paint. Negative results indicate lead in quantities less than 1.0 mg/cm2 and are not considered lead-based paint.

3.3 RISK ASSESSMENT METHODOLOGY

The lead-based paint risk assessment was performed to determine if the lead-based paint present in the residence presents an immediate hazard. This was accomplished through combining measurements of lead in dust, surface-by-surface paint analysis, visual assessment of the residence, assessment of paint condition, and by collecting maintenance and management data to identify and address lead-based paint hazards.

The risk assessment was performed in accordance with the EPA's work practice standards for conducting lead-based paint activities (40 CFR 745.227), HUD's Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (Guidelines) with the 2012 revisions.

3.4 DESCRIPTION OF PAINT CONDITION HAZARD RANKINGS

The paint condition is placed into one of two categories using the risk assessor's professional judgment. These categories are intact or deteriorated. Type of deterioration may also be noted on surfaces in deteriorated condition. Based on the approximate surface area of deteriorated paint, the risk assessor then assesses the paint condition as intact or deteriorated. These conditions indicate the potential for lead hazards associated with paint condition and lead in household dust.

Hazard ranking protocol was performed in accordance with the HUD Guidelines for Evaluation and Control of Lead-Based Paint Hazards in Housing, dated July 2012, Chapter 5: Risk Assessment and Reevaluation; Identification of Deteriorated Paint (Form 5.2). This information is summarized below.

Deteriorated

EPA regulations define deteriorated paint as "any interior or exterior paint or other coating that is peeling, chipping, chalking, or cracking, or any paint or coating located on an interior or exterior surface or fixture that is otherwise damaged or separated from the substrate"(40 CFR 745.63).

3.5 LABORATORY ANALYSIS

Laboratory analysis of dust wipe/soil samples were performed by QuanTEM Laboratories (NVLLAP 101352), 2033 Heritage Park Drive, Oklahoma City, OK 73120 Phone: 405-755-7272. Laboratory analysis of the dust wipes and soil samples are analyzed based on the EPA SW846-7420/ HUD – Flame Atomic Absorption.

4.0 DESCRIPTION OF RESULTS

This is a report of an X-ray Fluorescence (XRF) inspection and risk assessment to determine if lead-based paint exists in the readily accessible areas of this residence and tested components. The presence or absence of lead-based paint only applies to surfaces tested or assessed on the date of the field visit. According to HUD/EPA Guidelines, paint with concentrations of lead that exceed 1.0 mg/cm2 must be considered a lead-based paint (LBP). However, detectable lead in quantities less than 1.0 mg/cm2 may contribute to the development of lead dust hazards even though it is not considered a lead-based paint hazard.

4.1 LBP INSPECTION

Lead based paint was found on the exterior of the site. The positive readings are shown in the following table. The full report with all readings are in Appendix 1.

Reading #	Pb	Units	Pb Error	Result	Secs	Date	Time	Room	Structure	Member	Substrate	Wall	Condition
68	1.4	mg/cm2	0.3	Negative	2	7/30/2025	16:40:03	Exterior	Window		Wood	A	Deteriorated
70	4.9	mg/cm2	0.3	Positive	2	7/30/2025	16:41:36	Porch	Room	Ceiling	Wood	A	Intact
71	4.6	mg/cm2	0.3	Positive	2	7/30/2025	16:42:14	Porch	Beam		Wood	A	Deteriorated
72	3.8	mg/cm2	0.3	Positive	2	7/30/2025	16:43:10	Porch	Porch	Knee Brace	Wood	A	Deteriorated
74	4.1	mg/cm2	0.3	Positive	2	7/30/2025	16:44:47	Exterior	Soffit		Wood	A	Deteriorated
76	1.4	mg/cm2	0.3	Positive	2	7/30/2025	16:46:51	Exterior	Fascia		Wood	A	Deteriorated
81	2	mg/cm2	0.3	Positive	2	7/30/2025	16:50:00	Exterior	Window		Wood	D	Deteriorated
90	1.2	mg/cm2	0.2	Positive	5	7/30/2025	16:56:45	Exterior	Window		Wood	B	Deteriorated

4.2 LBP RISK ASSESSMENT

Lead-based paint hazards and dust hazards were identified during the survey.

The lead hazards are:

- **See Chart Above (7)**

Lead in Dust Hazards

- **Kitchen Floor**
- **Kitchen Window Sill**
- **Bath Window Trough**
- **Bath Window Sill**

Lead in Soil Hazards

- **No lead in soil hazards were identified**

4.3 RESIDENT QUESTIONNAIRE FORM 5.0

A resident questionnaire was completed as part of the Assessment, to help the identify particular use patterns, which may be associated with potential LBP hazards, such as opening and closing windows painted with LBP. The answers to the questionnaire were obtained during an interview with the occupants. Following is a summary of the information obtained during the interview.

Children in the Household:	None
Children's bed locations:	-
Children's eating locations:	-
Primary interior play area(s):	-
Primary exterior play area(s):	-
Pets:	-
Blood lead testing history:	-
Observed chewed surfaces:	-

Women of child bearing age:	0
Previous lead testing:	None
Frequently used entrances:	Front & Back Door
Frequently opened windows:	Kitchen & Bath
Structure Cooling Method:	Window Unit
Gardening –type and location:	None
Plans for landscaping:	None
Cleaning regiment:	Weekly
Cleaning Methods:	Mopping, sweeping, dusting, vacuuming
Recent completed renovations:	None
Demolition debris on site:	None
Resident with work lead exposure:	None
Planned Renovations:	A scope of work document for this residence is included in Appendix C.

4.4 BUILDING CONDITION FORM 5.1

Condition	Yes	No	Comments
Roof is missing parts of surfaces (tiles, boards, shakes, etc.)	X		
Roof has holes or large cracks	X		
Gutters or downspouts broken, missing.	X		No Gutters
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 painting.		X	
Exterior siding has missing boards or shingles		X	
Water stains on interior walls or ceilings		X	
Walls, floors 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	4	8	

*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)

Notes (including other conditions of concern): N/A

4.5 DUST WIPE SAMPLE ANALYSIS

Dust wipe samples were collected in an effort to help determine the levels of lead-containing dust on the interior windowsills and floors. The following tables note the presence or absence of lead hazards in dust per the EPA risk assessment and clearance standards. Please refer to Appendix B for detailed analytical reports. The presence of these hazards indicates that sample results exceed the following EPA criteria:

- 10 ug/ft2 for floors, including carpeted floors
- 100 ug/ft2 for interior window sills
- 100 ug/ft2 for interior window troughs

The following table indicates the sample number, location, surface type, lead concentration, and presence or absence of lead dust hazards for dust wipe samples collected during this LBP Risk Assessment:

Dust Wipe Sample Analysis

Sample #	Location	Surface Types	Concentration (Micrograms/ft^2)	Lead Hazard
01	Kitchen	Floor	18	YES
02	Kitchen	Window Sill	150	YES
03	Bath	Floor	2.6	NO
04	Bath	Window Trough	1,400	YES
05	Bath	Window Sill	180	YES
06	Bedroom 2	Floor	<2.5	NO
07	A Side Porch	Floor (conc.)	3.5	NO
08	A Side Exterior	Window Sill	10	NO

4.6 SOIL SAMPLE ANALYSIS

The EPA has established lead hazard standards for lead in soil under TSCA Section 403 (Residential Lead Hazards). Please refer to Appendix B for detailed analytical reports. The following level of lead in soil should be considered hazardous and may result in excessive lead exposure and elevated blood lead levels:

- 400 milligrams per kilogram (mg/Kg) in children's play areas with bare residential soil (e.g., sandboxes, gardens)
- 1,200 mg/Kg (average) in bare soil for the remainder of the yard.

The following table indicates the sample number, location, surface type, lead concentration, and presence or absence of lead soil hazards for soil samples collected during this LBP Risk Assessment:

Soil Sample Analysis				
Sample #	**Location**	**Bare or Covered**	**Concentration (Micrograms/ft^2)**	**Lead Hazard**
09	Composite Dripline	Bare	470	NO

5.0 RECOMMENDATIONS

5.1 DETERIORATED LEAD-BASED PAINT

Room or Exterior Location	**Component**	**Type of Hazard**	**Approximate Area or Length**	**Acceptable Hazard Control Options**	
				Interim	**Abatement**
Exterior	Windows	Paint		Wet scrape/Repaint	Replace
Porch	Beam	Paint		Wet scrape/Repaint	Encapsulate, Enclose or Replace
Porch	Knee Brace	Paint		Wet scrape/Repaint	Encapsulate, Enclose or Replace
Soffit	Door & Casing	Paint		Wet scrape/Repaint	Encapsulate, Enclose or Replace
Fascia	Window & Sill	Paint		Wet scrape/Repaint	Encapsulate, Enclose or Replace

5.2 LEAD DUST CONTROL OPTIONS

Room	**Surface**	**Acceptable Hazard Control Method**
Kitchen	Floor	Hepa-Vac/Wet Wipe/Hepa-Vac
Kitchen	Window Sill	Hepa-Vac/Wet Wipe/Hepa-Vac
Bath	Window Trough	Hepa-Vac/Wet Wipe/Hepa-Vac
Bath	Window Sill	Hepa-Vac/Wet Wipe/Hepa-Vac

5.3 LEAD IN SOIL

Type Of Area	Location	Acceptable Hazard Control Options	
None Identified			

6.0 RE-EVALUATION AND MONITORING SCHEDULE

Each of these treatments will need to be reexamined periodically to make certain that they remain effective and to ensure that new lead-based paint hazards do not appear. The interim controls shown above are less expensive initially, but they may be more expensive in the end since they need to be reevaluated more frequently. The replacement and paint removal methods are more expensive initially, but do not require any reevaluation.

The owner should monitor the condition of the paint at least annually or if there is some indication, that paint might be failing. A professional reevaluation is also needed. The standard schedule for reevaluation the dwelling is shown above.

Re-evaluation: Standard Re-evaluation Schedule 3 contained in the HUD Guidelines applies to this property, since one of the rooms had a dust lead level greater than the standard. Therefore, the dwelling should be reevaluated in ___August 2026___ (12 months from now). If no lead-based paint hazards are identified at that time, another reevaluation should be conducted in ___August 2027___ (2 years later). If no lead-based paint hazards are identified at that time, no further reevaluations are needed. However, since lead-based paint may be present in the dwelling, the owner should monitor the condition of all painted surfaces at least annually or whenever other information indicates a potential problem.

APPENDIX A: XRF Field Data Sheets & Floor Plan

Viken Detection
Pb200i
XRF Lead Paint Analyzer
3177
Pb200i-5.3.1

Reading #	Pb	Units	Pb Error	Result	Secs	Date	Time	Room	Structure	Member	Substrate	Wall	Condition
1	1.09	mg/cm2	0.07		20.53	7/30/2025	15:10:03	Calibration					
2	1.13	mg/cm2	0.07		20.2	7/30/2025	15:11:19	Calibration					
3	0.99	mg/cm2	0.07		20.06	7/30/2025	15:12:35	Calibration					
4	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:05:36	Living Rm	Room	Wall	Drywall	A	Deteriorated
5	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:05:50	Living Rm	Room	Wall	Drywall	B	Deteriorated
6	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:06:09	Living Rm	Room	Wall	Drywall	C	Deteriorated
7	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:06:36	Living Rm	Room	Wall	Drywall	D	Intact
8	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:07:13	Living Rm	Room	Ceiling	Drywall		Intact
9	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:07:42	Living Rm	Room	Baseboard	Wood	A	Intact
10	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:09:22	Living Rm	Window		Wood	D	Intact
11	0	mg/cm2	0.3	Negative	2	7/30/2025	16:10:02	Living Rm	Window	Sill	Wood	D	Intact
12	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:11:54	Living Rm	Door		Wood	A	Intact
13	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:12:13	Living Rm	Door	Casing	Wood	A	Deteriorated
14	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:13:27	Bedroom 1	Room	Wall	Drywall	A	Intact
15	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:13:48	Bedroom 1	Room	Wall	Drywall	B	Intact
16	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:14:03	Bedroom 1	Room	Wall	Drywall	C	Intact
17	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:14:20	Bedroom 1	Room	Wall	Drywall	D	Intact
18	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:14:42	Bedroom 1	Room	Ceiling	Drywall		Intact
19	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:15:24	Bedroom 1	Window		Wood	B	Intact
20	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:15:34	Bedroom 1	Window	Sill	Wood	B	Intact
21	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:16:19	Bedroom 1	Room	Baseboard	Wood	C	Intact
22	0	mg/cm2	0.3	Negative	2	7/30/2025	16:16:50	Bedroom 1	Door		Wood	C	Deteriorated
23	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:17:10	Bedroom 1	Door	Casing	Wood	C	Deteriorated
24	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:17:42	Bedroom 2	Room	Wall	Drywall	A	Intact
25	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:18:07	Bedroom 2	Room	Wall	Drywall	B	Deteriorated
26	0.3	mg/cm2	0.3	Negative	2	7/30/2025	16:18:28	Bedroom 2	Room	Wall	Drywall	C	Intact
27	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:18:45	Bedroom 2	Room	Wall	Drywall	D	Intact
28	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:19:12	Bedroom 2	Room	Ceiling	Drywall		Deteriorated

29	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:19:35	Bedroom 2	Room	Baseboard	Wood	B	Deteriorated
30	0	mg/cm2	0.3	Negative	2	7/30/2025	16:20:11	Bedroom 2	Window	Sill	Wood	B	Intact
31	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:20:39	Bedroom 2	Door		Wood	A	Intact
32	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:20:52	Bedroom 2	Door	Casing	Wood	A	Intact
33	0	mg/cm2	0.3	Negative	2	7/30/2025	16:21:27	Bathroom	Room	Wall	Drywall	A	Intact
34	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:21:39	Bathroom	Room	Wall	Drywall	B	Intact
35	0.2	mg/cm2	0.3	Negative	2	7/30/2025	16:22:04	Bathroom	Room	Wall	Drywall	C	Intact
36	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:22:16	Bathroom	Room	Wall	Drywall	D	Intact
37	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:22:37	Bathroom	Room	Ceiling	Drywall		Deteriorated
38	0	mg/cm2	0.3	Negative	2	7/30/2025	16:23:05	Bathroom	Room	Baseboard	Wood	C	Intact
39	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:23:36	Bathroom	Window		Wood	B	Intact
40	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:23:57	Bathroom	Window	Sill	Wood	B	Intact
41	0	mg/cm2	0.3	Negative	2	7/30/2025	16:24:24	Bathroom	Window	Shutter	Wood	B	Intact
42	0	mg/cm2	0.3	Negative	2	7/30/2025	16:24:53	Bathroom	Cabinets	Door	Wood	D	Intact
43	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:25:11	Bathroom	Cabinets	Frame	Wood	D	Intact
44	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:25:34	Bathroom	Door		Wood	A	Intact
45	0	mg/cm2	0.3	Negative	2	7/30/2025	16:25:47	Bathroom	Door	Casing	Wood	A	Intact
46	0	mg/cm2	0.3	Negative	2	7/30/2025	16:26:09	Bathroom	Cabinets	Door	Wood	D	Intact
47	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:26:19	Bathroom	Cabinets	Frame	Wood	D	Intact
48	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:26:37	Bathroom	Cabinets	Door	Wood	C	Intact
49	0	mg/cm2	0.3	Negative	2	7/30/2025	16:26:47	Bathroom	Cabinets	Frame	Wood	C	Intact
50	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:27:43	Kitchen	Room	Wall	Drywall	A	Intact
51	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:28:03	Kitchen	Room	Wall	Drywall	B	Intact
52	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:28:27	Kitchen	Room	Wall	Wood	C	Intact
53	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:29:07	Kitchen	Room	Wall	Wood	D	Intact
54	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:29:52	Kitchen	Room	Ceiling	Drywall		Deteriorated
55	0	mg/cm2	0.3	Negative	2	7/30/2025	16:30:41	Kitchen	Room	Baseboard	Wood	B	Deteriorated
56	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:31:15	Kitchen	Cabinets	Door	Metal	D	Deteriorated
57	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:31:49	Kitchen	Cabinets	Frame	Metal	D	Deteriorated
58	0	mg/cm2	0.3	Negative	2	7/30/2025	16:32:17	Kitchen	Window		Wood	D	Deteriorated
59	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:32:42	Kitchen	Window	Sill	Wood	D	Deteriorated
60	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:34:28	Kitchen	Door		Metal	C	Deteriorated
61	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:35:02	Kitchen	Door	Casing	Wood	C	Deteriorated
62	0	mg/cm2	0.3	Negative	2	7/30/2025	16:37:01	Exterior	Door		Wood	A	Deteriorated
63	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:37:18	Exterior	Door	Jamb	Wood	A	Deteriorated
64	0.1	mg/cm2	0.3	Negative	2	7/30/2025	16:37:53	Exterior	Door	Threshold	Wood	A	Deteriorated

65	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:38:13	Exterior	Door	Trim	Wood	A	Deteriorated
66	0.4 mg/cm2	0.3	Negative	2	7/30/2025	16:38:50	Exterior	Room	Wall	Concrete	A	Intact
67	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:39:08	Exterior	Room	Wall	Wood	A	Intact
68	1.4 mg/cm2	0.3	Negative	2	7/30/2025	16:40:03	Exterior	Window		Wood	A	Deteriorated
69	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:40:23	Exterior	Window	Sill	Wood	A	Deteriorated
70	4.9 mg/cm2	0.3	Positive	2	7/30/2025	16:41:36	Porch	Room	Ceiling	Wood	A	Intact
71	4.6 mg/cm2	0.3	Positive	2	7/30/2025	16:42:14	Porch	Beam		Wood	A	Deteriorated
72	3.8 mg/cm2	0.3	Positive	2	7/30/2025	16:43:10	Porch	Porch	Knee Brace	Wood	A	Deteriorated
73	0.2 mg/cm2	0.3	Negative	2	7/30/2025	16:43:45	Porch	Porch	Gable	Wood	A	Deteriorated
74	4.1 mg/cm2	0.3	Positive	2	7/30/2025	16:44:47	Exterior	Soffit		Wood	A	Deteriorated
75	0.4 mg/cm2	0.3	Negative	2	7/30/2025	16:44:58	Exterior	Gutter		Metal	A	Intact
76	1.4 mg/cm2	0.3	Positive	2	7/30/2025	16:46:51	Exterior	Fascia		Wood	A	Deteriorated
77	0.2 mg/cm2	0.3	Negative	2	7/30/2025	16:47:29	Exterior	Room	Wall	Wood	D	Intact
78	0.3 mg/cm2	0.3	Negative	2	7/30/2025	16:47:46	Exterior	Room	Wall	Concrete	D	Intact
79	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:48:27	Exterior	Trim		Wood	D	Intact
80	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:49:05	Exterior	Window	Sill	Wood	D	Deteriorated
81	2 mg/cm2	0.3	Positive	2	7/30/2025	16:50:00	Exterior	Window		Wood	D	Deteriorated
82	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:51:29	Exterior	Room	Wall	Wood	C	Intact
83	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:51:39	Exterior	Room	Wall	Concrete	C	Intact
84	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:51:58	Exterior	Trim	Upper	Wood	C	Intact
85	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:52:08	Exterior	Trim	Lower	Wood	C	Intact
86	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:52:41	Exterior	Door		Metal	C	Intact
87	0 mg/cm2	0.3	Negative	2	7/30/2025	16:52:57	Exterior	Door	Jamb	Wood	C	Intact
88	0 mg/cm2	0.3	Negative	2	7/30/2025	16:53:33	Exterior	Room	Wall	Wood	B	Intact
89	0.1 mg/cm2	0.3	Negative	2	7/30/2025	16:54:07	Exterior	Window	Sill	Wood	B	Deteriorated
90	1.2 mg/cm2	0.2	Positive	5	7/30/2025	16:56:45	Exterior	Window		Wood	B	Deteriorated
91	0.99 mg/cm2	0.07		20.16	7/30/2025	17:01:54	Calibration					
92	1.11 mg/cm2	0.07		20.02	7/30/2025	17:03:35	Calibration					
93	1.13 mg/cm2	0.07		20.11	7/30/2025	17:04:51	Calibration					

APPENDIX B: DUST WIPE & SOIL ANALYSIS

7021 W. Wilshire Blvd, Ste. B / Oklahoma City, OK 73132 / 405-755-7272

Environmental Chemistry Analysis Report

QuanTEM Set ID: 381831
Date Received: 08/11/25
Received By: Baylie Puga
Date Sampled:
Time Sampled:
Analyst:
Date of Report: 08/13/25

AIHA LAP, LLC: 101352

Client: Cherokee Nation Environmental Programs
Logan Girty
PO Box 948
Tahlequah, OK 74464

Acct. No.: C162

Project:
Location: Bartlesville
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01	Wipe	Lead	18	2.5	ug/sq. Ft.	08/13/25 13:30	NIOSH 7082
002	02	Wipe	Lead	150	5.1	ug/sq. Ft.	08/13/25 13:30	NIOSH 7082
003	03	Wipe	Lead	2.6	2.5	ug/sq. Ft.	08/13/25 13:30	NIOSH 7082
004	04	Wipe	Lead	1,400	4	ug/sq. Ft.	08/13/25 13:30	NIOSH 7082
005	05	Wipe	Lead	180	9.6	ug/sq. Ft.	08/13/25 13:30	NIOSH 7082
006	06	Wipe	Lead	<2.5	2.5	ug/sq. Ft.	08/13/25 13:30	NIOSH 7082
007	07	Wipe	Lead	3.5	2.5	ug/sq. Ft.	08/13/25 13:30	NIOSH 7082
008	08	Wipe	Lead	10	6.2	ug/sq. Ft.	08/13/25 13:30	NIOSH 7082
009	09	Soil	Lead	470	25	mg/kg	08/12/25 14:46	Soil EPA 7000B (1)

Authorized Signature: _____

Eric Caves, Chemistry Technical Manager

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by QuanTEM Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

Measurement uncertainty available upon request.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 21844 **Date:** 8/12/2025 **Lab Number:** 381831
Test: Lead **Matrix:** Soil **Approved By:** Eric Caves
Date Approved: 8/12/2025

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
FCV	2.2	2.37	2.8
CCV	2.2	2.42	2.8
RLVS	0.05	0.07	0.15
ICV	0.9	0.95	1.1

Duplicate Data:

Sample Number	Result	Duplicate	% RPD
381854-002	0.555	0.616	10.4

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
LCS-S	0.000	2.428	2.244	92.4	2.250	92.7	0.3
381854-002	0.555	2.000	2.630	103.8			

Authorized Signature: _____

Eric Caves, Chemistry Technical Manager

Supplemental Report
QAQC Results

QA ID: 21848
Test: Lead
Date: 8/13/2025
Matrix: Wipe
Lab Number: 381831
Approved By: Eric Caves
Date Approved: 8/13/2025

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
FCV	2.2	2.41	2.8
CCV	2.2	2.48	2.8
RLVS	0.05	0.07	0.15
ICV	0.9	0.97	1.1

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W	0.000	2.428	2.415	99.5	2.410	99.3	0.2

Authorized Signature: _____

Eric Caves, Chemistry Technical Manager

LEAD CHAIN OF CUSTODY

QuanTEM LABORATORIES
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7021 W Wilshire Blvd., Suite B, Oklahoma City, OK 73132
(800) 822-1650 • (405) 755-7272

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	381831
Accept	Reject

Contact Information			
Company: Cherokee Nation Environmental Programs	Phone: (918) 453-6140	Project Name:	
Contact: Logan Girty	Cell Phone: (918) 772-8346	Project Location: Bartlesville	
Account #: C 162	E-mail: logan-girty@cherokee.org	Project ID:	
SAMPLED BY: Name: Logan Girty	Date: 08/07/2025	P.O. Number: 896007	

Report Results (☑ one box)
○ QuanTEM Website
○ Email logan-girty@cherokee.org
○ Other

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Logan E. Girty	8/8/2025 @ 9AM	FedEx		8/11/25 9:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (○ wt% ○ ppm ⊙ mg/cm²)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg /m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
1	01	Kitchen Floor	144 sq in				✓					
2	02	Kitchen Window Sill	70 sq in				✓					
3	03	Bath Floor	144 sq in				✓					
4	04	Bath Window Trough	90 sq in				✓					
5	05	Bath Window Sill	37.625 sq in				✓					
6	06	Bedroom 2 Floor	144 sq in				✓					
7	07	A Side Porch Floor (conc)	144 sq in				✓					
8	08	A Side Ext. Window Sill	58 sq in				✓					
9	09	Composite Drip Line Soil				✓						
10												
11												

TURNAROUND TIME	
☐	Same Day
☐	24 - Hour
✓	3 - Day
☐	5 - Day

Check One (if applicable)

- ✓ Assessment
- ☐ Clearance

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery