CHEROKEE NATION
Environmental Programs

LEAD-BASED PAINT INSPECTION & RISK ASSESSMENT REPORT

Conducted At:

Name: Prather, John
Address: 15780 East 500 Rd
City State Zip: Claremore, OK 74019
Coordinates: 35.95423, -95.46827
Built In: 1968

Prepared For:

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

Inspected By:

2/12/24

Chris Cochran
OKRASR13995, CNRASR00038

Cherokee Nation Environmental Programs
PO Box 948, Tahlequah, OK 74465
(918) 453-5000
Oklahoma Firm: OKFIRM11198
Cherokee Nation Firm: CNFIRM00001

Report Date: February 12, 2024

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1.0 EXECUTIVE SUMMARY

A lead based paint inspection was conducted at the John Prather site on February 2nd, 2024 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.

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 lead in paint identified.

Exterior Lead-Based Paint
Soffits A and D sides
Fascia D side

Deteriorated Lead-Based Paint
(Lead-Based Paint Hazards)
Soffits A and D Side
Fascia D side

Lead in Dust Hazards
Lead in dust hazards were identified in Bathroom 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 Heuresis PB200i lead x-ray fluorescence analyzer (Serial Number: 2312) 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 August 26, 2021.

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 (NLLAP 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 both the interior and exterior of the site. The positive readings are shown in the following table. The full report with all readings are in Appendix 1.

Reading	Concentration	Units	Location	Component	Substrate	Side	Condition
83	2.3	mg/cm2	Exterior	Soffit	Wood	A	Deteriorated
91	1.2	mg/cm2	Exterior	Soffit	Wood	D	deteriorated
92	1.2	mg/cm2	Exterior	Fascia	Wood	D	deteriorated

4.2 LBP RISK ASSESSMENT

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

The lead hazards are:

- Exterior Soffit A and D Sides (B and C are enclosed.)
- Exterior Fascia D Side

Lead in Dust Hazards

- **Bathroom Window Sill**

Lead in Soil Hazards

-

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 Door
Frequently opened windows:	None
Structure Cooling Method:	Central Heat and Air

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		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 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		12	

*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):

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	<2.0	NO
02	Kitchen	Window Sill	<9.0	NO
03	Laundry Room	Floor	<2.0	NO
04	Laundry Room	Window Sill	11	NO
05	Bath Room	Floor	<2.0	NO
06	Bath Room	Window Sill	3100	YES
07	Porch	Floor	2.6	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	Dripline	Bare	33	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 Side A and D	Soffit	Paint		Wet scrape/Repaint	Replace or Enclose
Exterior Side D	Fascia	Paint		Wet scrape/Repaint	Replace or Enclose

5.2 LEAD DUST CONTROL OPTIONS

Room	Surface	Acceptable Hazard Control Method
Bathroom	Window Sill	Hepa/Wet/Hepa

5.3 LEAD IN SOIL

Type Of Area	Location	Acceptable Hazard Control Options	

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 February 2025 (12 months from now). If no lead-based paint hazards are identified at that time, another reevaluation should be conducted in February 2026 (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
2312
Pb200i-5.3.1

Readir	Concentra	Units	3 SD	Result	NomSe	Date	Time	-->RoomCl	Structure	-->Membe	Substrate	Wall	Condition
[illegible]	[illegible]	mg/cm2	0.0	[illegible]	2	[illegible]	[illegible]	Calibrate	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	mg/cm2	0.0	[illegible]	2	[illegible]	[illegible]	Calibrati	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	mg/cm2	0.0	[illegible]	2	[illegible]	[illegible]	Calibrate	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	0.2	mg/cm2	0.2	Negative	2	2/2/2024	12:08:16	Living Roo	Room	Wall	Wood1	A1	Intact
5	0.2	mg/cm2	0.3	Negative	2	2/2/2024	12:08:27	Living Roo	Room	Wall	Wood2	A2	Intact
6	0.2	mg/cm2	0.2	Negative	2	2/2/2024	12:08:40	Living Roo	Room	Wall	Wood3	A3	Intact
7	0.4	mg/cm2	0.2	Negative	2	2/2/2024	12:09:06	Living Roo	Room	Wall	Wood4	A4	Intact
8	0.4	mg/cm2	0.2	Negative	2	2/2/2024	12:09:34	Living Roo	Room	Ceiling	Drywall1	1	Intact
9	0.2	mg/cm2	0.2	Negative	2	2/2/2024	12:10:08	Living Roo	Room	Baseboard	Wood1	A1	Intact
10	0.1	mg/cm2	0.2	Negative	2	2/2/2024	12:10:36	Living Roo	Door		Wood2	A2	Intact
11	0.2	mg/cm2	0.2	Negative	2	2/2/2024	12:10:55	Living Roo	Door	Jamb	Wood3	A3	Intact
12	0.1	mg/cm2	0.3	Negative	2	2/2/2024	12:12:01	Living Roo	Window	Sill	Wood4	D1	Intact
13	0.1	mg/cm2	0.2	Negative	2	2/2/2024	12:12:43	Bedroom 1	Window	Sill	Wood5	A1	Intact
14	0.3	mg/cm2	0.2	Negative	2	2/2/2024	12:13:10	Bedroom 1	Door		Wood6	D1	Intact
15	0.2	mg/cm2	0.2	Negative	2	2/2/2024	12:13:27	Bedroom 1	Door	Jamb	Wood7	D2	Intact
16	0.2	mg/cm2	0.2	Negative	2	2/2/2024	12:13:46	Bedroom 1	Room	Baseboard	Wood8	D3	Intact
17	0.3	mg/cm2	0.2	Negative	2	2/2/2024	12:14:16	Bedroom 1	Room	Ceiling	Drywall1	1	Intact
18	0.3	mg/cm2	0.2	Negative	2	2/2/2024	12:14:46	Bedroom 1	Room	Wall	Wood1	A1	Intact
19	0.3	mg/cm2	0.2	Negative	2	2/2/2024	12:15:02	Bedroom 1	Room	Wall	Wood2	A2	Intact
20	0.2	mg/cm2	0.2	Negative	2	2/2/2024	12:15:12	Bedroom 1	Room	Wall	Wood3	A3	Intact
21	0.2	mg/cm2	0.3	Negative	2	2/2/2024	12:15:30	Bedroom 1	Room	Wall	Wood4	A4	Intact
22	0.2	mg/cm2	0.3	Negative	2	2/2/2024	12:16:28	Bedroom 1	Room	Wall	Wood5	A5	Intact
23	0.2	mg/cm2	0.3	Negative	2	2/2/2024	12:16:41	Bedroom 1	Room	Wall	Wood6	A6	Intact
24	0.2	mg/cm2	0.3	Negative	2	2/2/2024	12:16:56	Bedroom 1	Room	Wall	Wood7	A7	Intact
25	0	mg/cm2	0.2	Negative	3	2/2/2024	12:17:06	Bedroom 1	Room	Wall	Wood8	A8	Intact
26	0.1	mg/cm2	0.2	Negative	2	2/2/2024	12:17:30	Bedroom 1	Room	Ceiling	Drywall1	1	Intact
27	0.1	mg/cm2	0.2	Negative	2	2/2/2024	12:18:01	Bedroom 1	Room	Baseboard	Wood1	C1	Intact

28	0.3 mg/cm2	0.2 Negative	2	2/2/2024	12:18:25	Bedroom 2	Door		Wood2	C2		Intact
29	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:18:39	Bedroom 2	Door	Jamb	Wood3	C3		Intact
30	0 mg/cm2	0.2 Negative	2	2/2/2024	12:19:11	Bedroom 2	Window	Sill	Wood4	A1		Intact
31	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:20:04	Bathroom	Cabinets	Door	Wood5	D1		Intact
32	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:20:22	Bathroom	Cabinets	Frame	Wood6	D2		Intact
33	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:21:36	Bathroom	Window	Sill	Wood7	C1		Intact
34	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:22:06	Bathroom	Door		Wood8	A1		Intact
35	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:22:23	Bathroom	Door	Jamb	Wood9	A2		Intact
36	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:22:47	Bathroom	Room	Baseboard	Wood10	A3		Intact
37	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:23:15	Bathroom	Room	Ceiling	Drywall1		1	Intact
38	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:23:39	Bathroom	Room	Wall	Drywall2	A1		Intact
39	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:23:50	Bathroom	Room	Wall	Drywall3	A2		Intact
40	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:24:00	Bathroom	Room	Wall	Drywall4	A3		Intact
41	0.3 mg/cm2	0.3 Negative	2	2/2/2024	12:24:09	Bathroom	Room	Wall	Drywall5	A4		Intact
42	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:24:54	Den	Room	Wall	Wood1	A5		Intact
43	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:25:05	Den	Room	Wall	Wood2	A6		Intact
44	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:25:25	Den	Room	Wall	Wood3	A7		Intact
45	0.1 mg/cm2	0.3 Negative	2	2/2/2024	12:25:40	Den	Room	Wall	Wood4	A8		Intact
46	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:26:06	Den	Room	Ceiling	Drywall1		1	Intact
47	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:26:36	Den	Room	Baseboard	Wood1	A1		Intact
48	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:26:55	Den	Door		Wood2	A2		Intact
49	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:27:11	Den	Door	Jamb	Wood3	A3		Intact
50	0.1 mg/cm2	0.3 Negative	2	2/2/2024	12:28:17	Laundry R	Window	Sill	Wood4	C1		Intact
51	0 mg/cm2	0.2 Negative	2	2/2/2024	12:28:41	Laundry R	Door		Wood5	C2		Intact
52	0 mg/cm2	0.2 Negative	2	2/2/2024	12:28:58	Laundry R	Door	Jamb	Wood6	C3		Intact
53	0.2 mg/cm2	0.3 Negative	2	2/2/2024	12:29:23	Laundry R	Room	Baseboard	Wood7	A1		Intact
54	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:29:48	Laundry R	Room	Ceiling	Drywall1		1	Intact
55	0.2 mg/cm2	0.3 Negative	2	2/2/2024	12:30:09	Laundry R	Room	Wall	Drywall2	A1		Intact
56	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:30:23	Laundry R	Room	Wall	Drywall3	A2		Intact
57	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:30:38	Laundry R	Room	Wall	Drywall4	A3		Intact
58	0.2 mg/cm2	0.3 Negative	2	2/2/2024	12:30:51	Laundry R	Room	Wall	Drywall5	A4		Intact
59	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:31:22	Bathroom	Room	Wall	Drywall6	A5		Intact
60	0.2 mg/cm2	0.3 Negative	2	2/2/2024	12:31:32	Bathroom	Room	Wall	Drywall7	A6		Intact
61	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:31:40	Bathroom	Room	Wall	Drywall8	A7		Intact

62	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:31:50	Bathroom	Room	Wall	Drywall9	A8		Intact
63	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:32:09	Bathroom	Room	Ceiling	Drywall10		1	Intact
64	0.3 mg/cm2	0.2 Negative	2	2/2/2024	12:32:32	Bathroom	Room	Baseboard	Wood1	B1		Intact
65	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:32:50	Bathroom	Door		Wood2	B2		Intact
66	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:33:06	Bathroom	Door	Jamb	Wood3	B3		Intact
67	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:33:36	Bathroom	Window	Sill	Wood4	D1		Intact
68	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:34:08	Bathroom	Cabinets	Door	Wood5	C1		Intact
69	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:34:25	Bathroom	Cabinets	Frame	Wood6	C2		Intact
70	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:35:25	Kitchen/Di	Cabinets	Door	Wood7	B1		Intact
71	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:35:42	Kitchen/Di	Cabinets	Frame	Wood8	B2		Intact
72	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:36:09	Kitchen/Di	Window	Sill	Wood9	B3		Intact
73	0 mg/cm2	0.2 Negative	2	2/2/2024	12:36:34	Kitchen/Di	Door	Jamb	Wood10	B4		Intact
74	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:37:01	Kitchen/Di	Room	Baseboard	Wood11	A1		Intact
75	0.5 mg/cm2	0.2 Negative	2	2/2/2024	12:37:29	Kitchen/Di	Room	Ceiling	Drywall1		1	Intact
76	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:37:58	Kitchen/Di	Room	Wall	Wood1	A1		Intact
77	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:38:14	Kitchen/Di	Room	Wall	Wood2	A2		Intact
78	0 mg/cm2	0.2 Negative	2	2/2/2024	12:38:26	Kitchen/Di	Room	Wall	Wood3	A3		Intact
79	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:38:44	Kitchen/Di	Room	Wall	Wood4	A4		Intact
80	0.1 mg/cm2	0.2 Negative	2	2/2/2024	12:41:56		Door		Wood5	A5		Intact
81	0.2 mg/cm2	0.2 Negative	3	2/2/2024	12:42:13		Door	Jamb	Wood6	A6		Intact
82	0.5 mg/cm2	0.2 Negative	2	2/2/2024	12:42:59		Window	Exterior Ca	Wood7	A7		Intact
83	2.3 mg/cm2	0.2 Positive	2	2/2/2024	12:43:30		Soffit		Wood8	A8		Deteriorated
84	0 mg/cm2	0.2 Negative	2	2/2/2024	12:44:58		Fascia		Wood9	A9		Intact
85	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:45:56		Door		Wood10	B1		Intact
86	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:46:16		Door	Jamb	Wood11	B2		Intact
87	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:46:47		Window	Exterior Ca	Wood12	B3		Intact
88	0 mg/cm2	0.2 Negative	2	2/2/2024	12:47:58		Fascia		Wood13	C1		Intact
89	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:48:46		Soffit		Wood14	C2		Intact
90	0.2 mg/cm2	0.2 Negative	2	2/2/2024	12:50:02		Window	Exterior Ca	Wood15	C3		Intact
91	1.2 mg/cm2	0.2 Positive	5	2/2/2024	12:53:52		Soffit		Wood16	D1		Deteriorated
92	1.2 mg/cm2	0.1 Positive	5	2/2/2024	12:54:50		Fascia		Wood17	D2		Deteriorated
93	1.13 mg/cm2	0.0	2	2/2/2024	12:57:57	Bathroom						
94	1.11 mg/cm2	0.0	2	2/2/2024	12:58:49	Bathroom						
95	1.13 mg/cm2	0.0	2	2/2/2024	12:59:39	Bathroom						

APPENDIX B: DUST WIPE & SOIL ANALYSIS

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 366120
Date Received: 02/06/24
Received By: Baylie Longstreth
Date Sampled:
Time Sampled:
Analyst:
Date of Report: 02/07/24

AIHA LAP, LLC: 101352

Client: Cherokee Nation Environmental Programs
Chris Cochran
PO Box 948
Tahlequah, OK 74464

Acct. No.: C162

Project: John Prather
Location: Claremore
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01	Wipe	Lead	<2.0	**	ug/sq. Ft.	02/07/24 0:00	NIOSH 7082
002	02	Wipe	Lead	<9.0	**	ug/sq. Ft.	02/07/24 0:00	NIOSH 7082
003	03	Wipe	Lead	<2.0	**	ug/sq. Ft.	02/07/24 0:00	NIOSH 7082
004	04	Wipe	Lead	11	**	ug/sq. Ft.	02/07/24 0:00	NIOSH 7082
005	05	Wipe	Lead	<2.0	**	ug/sq. Ft.	02/07/24 0:00	NIOSH 7082
006	06	Wipe	Lead	3100	**	ug/sq. Ft.	02/07/24 0:00	NIOSH 7082
007	07	Wipe	Lead	2.6	**	ug/sq. Ft.	02/07/24 0:00	NIOSH 7082
008	08	Soil	Lead	33	**	mg/kg	02/07/24 0:00	Soil EPA 7000B (1)

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.

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

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID:	366120	Client:	Cherokee Nation Environmental Programs Chris Cochran PO Box 948 Tahlequah, OK 74464
Date Received:	02/06/24		
Received By:	Baylie Longstreth		
Date Sampled:		Acct. No.:	C162
Time Sampled:			
Analyst:		Project:	John Prather
Date of Report:	02/07/24	Location:	Claremore
AIHA LAP, LLC: 101352		Project No.:	N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method

**Report Limit for an undiluted 50ml sample is 4ug Total Pb.

**Report Limit for an undiluted 25 ml sample is 2ug Total Pb.

Analysis performed by Scientific Analytical Institute, Inc. Greensboro, NC
AIHA LAP Laboratory ID: LAP-173190

The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted.

Authorized Signature: _____

Dee Ammerman, Laboratory 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.

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

LEAD CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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For Lab Use Only
Lab No. 366120
Accept Reject

Contact Information		Project Information	Report Results (☑ one box)
Company: Cherokee Nation Environmental Programs	Phone: (918) 453-5009	Project Name: John Prather	◯ QuanTEM Website
Contact:	Cell Phone: (918) 316-7452	Project Location: Claremore	◉ Email christopher-cochran@cherokee.org
Account #: C162	E-mail: christopher-cochran@cherokee.org	Project ID:	◯ Other
SAMPLED BY: Name: Christopher Cochran	Date: 02/05/2024	P.O. Number: 874812	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Christopher Cochran	2/05/2025	Fed Ex		2/6/24 10:10

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	144sq in				✓					
2	02	Kitchen Window Sill	2x16 inches				✓					
3	03	Laundry Room Floor	144 Sq In				✓					
4	04	Laundry Room window Sill	3 x 18 inches				✓					
5	05	Bath Room Floor	144 sq in				✓					
6	06	Bath Room window sill	2 1/2 x 26				✓					
7	07	Pourch Floor	144 sq in				✓					
8	08	Drip line	45ml			✓						
9												
10												
11												

TURNAROUND TIME
◯ Same Day
◉ 24 - Hour
◯ 3 - Day
◯ 5 - Day

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

APPENDIX C: SCOPE OF WORK/REQUEST