



CHEROKEE NATION Environmental Programs

LEAD-BASED PAINT INSPECTION & RISK ASSESSMENT REPORT

Conducted At:

Name: Michelle Goudeau
Address: 4178 N Elgin Ave
City State Zip: Tulsa, OK 74106
Coordinates: 36.2158, -96.0086
Built in: 1955

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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Oklahoma Firm: OKFIRM11198
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Report Date: July 19, 2024

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1.0 EXECUTIVE SUMMARY

A lead based paint inspection was conducted at the Michele Goudeau site on July 3, 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/cm² 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:

*All Wood Walls beneath Vinyl Siding

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

Interior Lead-Based Paint

No interior lead-based paint identified.

Exterior Lead-Based Paint

Wall, Wood Side A&B
Soffit, Wood Side A&C (Assume All)

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

Exterior Wall, Wood Side A&B
Exterior Soffit, Wood Side A&C (Assume All)

Lead in Dust Hazards

Living Rm Window Trough
Bedroom 2 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 (lessors) 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 #	Pb	Units	Structure	Member	Substrate	Wall	Condition
74	1.4	mg/cm2	Room	Wall	Wood	A	Cracking
75	2.8	mg/cm2	Soffit		Wood	A	Cracking
82	1	mg/cm2	Room	Wall	Wood	B	Cracking
83	2	mg/cm2	Soffit		Wood	C	Cracking

4.2 LBP RISK ASSESSMENT

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

The lead hazards are:

- **Exterior Wall Side A&B**
- **Exterior Soffit Side A&C**

Lead in Dust Hazards

- **Living Rm Window Trough**
- **Bedroom 2 Window Sill**

Lead in Soil Hazards

- **No lead in soil hazards 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 Door
Frequently opened windows:	None
Structure Cooling Method:	HVAC
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		
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	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):

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/ft²)	Lead Hazard
01	Kitchen	Floor	<0.13	NO
02	Living Room	Window Sill	6.9	NO
03	Living Room	Window Trough	220	YES
04	Bath	Floor	<0.13	NO
05	Bedroom 2	Window Sill	250	YES
06	Bedroom 2	Window Trough	39	NO
07	Porch A Side	Floor (conc)	.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
08	Dripline Composite	Bare	76	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&B	Wall	Paint		Wet scrape/Repaint	Replace, Encapsulate or Enclose
Exterior Side A&C	Soffit	Paint		Wet scrape/Repaint	Replace, Encapsulate or Enclose

5.2 LEAD DUST CONTROL OPTIONS

Room	Surface	Acceptable Hazard Control Method
Living Room	Window Trough	Hepa-Vac/Wet Wipe/Hepa-Vac
Bedroom 2	Window Sill	Hepa-Vac/Wet Wipe/Hepa-Vac

5.3 LEAD IN SOIL

Type Of Area	Location	Acceptable Hazard Control Options	
N/A			

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 July 2025 (12 months from now). If no lead-based paint hazards are identified at that time, another reevaluation should be conducted in July 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
3177
Pb200i-5.3.1

Reading #	Pb	Units	Pb Error Result	Secs	Date	Time	Room	Structure	Member	Substrate	Wall	Condition
1	0.97	mg/cm2	0.07	20.3	7/3/2024	15:01:09	Calibration					
2	0.95	mg/cm2	0.07	20.27	7/3/2024	15:01:46	Calibration					
3	0.9	mg/cm2	0.07	20.05	7/3/2024	15:02:25	Calibration					
4	0.1	mg/cm2	0.2 Negative	2	7/3/2024	15:05:38	Living Room	Room	Wall	Drywall	A	Intact
5	0.2	mg/cm2	0.2 Negative	2	7/3/2024	15:05:46	Living Room	Room	Wall	Drywall	B	Intact
6	0.1	mg/cm2	0.2 Negative	2	7/3/2024	15:05:58	Living Room	Room	Wall	Drywall	C	Intact
7	0.2	mg/cm2	0.2 Negative	2	7/3/2024	15:06:12	Living Room	Room	Wall	Drywall	D	Intact
8	0.1	mg/cm2	0.3 Negative	2	7/3/2024	15:06:24	Living Room	Room	Ceiling	Drywall		Intact
9	0	mg/cm2	0.2 Negative	2	7/3/2024	15:06:43	Living Room	Room	Baseboard	Wood	A	Intact
10	0	mg/cm2	0.2 Negative	2	7/3/2024	15:07:18	Living Room	Window		Wood	A	Intact
11	0.1	mg/cm2	0.2 Negative	2	7/3/2024	15:07:27	Living Room	Window	Sill	Wood	A	Intact
12	0.1	mg/cm2	0.2 Negative	2	7/3/2024	15:07:54	Living Room	Door		Wood	A	Intact
13	0.1	mg/cm2	0.2 Negative	2	7/3/2024	15:08:14	Living Room	Door	Casing	Wood	A	Intact
14	0.2	mg/cm2	0.3 Negative	2	7/3/2024	15:08:53	Kitchen	Room	Wall	Drywall	A	Intact
15	0.1	mg/cm2	0.3 Negative	2	7/3/2024	15:09:03	Kitchen	Room	Wall	Drywall	B	Intact
16	0.1	mg/cm2	0.3 Negative	2	7/3/2024	15:09:14	Kitchen	Room	Wall	Drywall	C	Intact
17	0.1	mg/cm2	0.2 Negative	2	7/3/2024	15:09:19	Kitchen	Room	Wall	Drywall	D	Intact
18	0.2	mg/cm2	0.2 Negative	2	7/3/2024	15:09:26	Kitchen	Room	Ceiling	Drywall		Intact
19	0	mg/cm2	0.2 Negative	2	7/3/2024	15:10:06	Kitchen	Room	Baseboard	Wood	A	Intact
20	0.1	mg/cm2	0.2 Negative	2	7/3/2024	15:10:26	Kitchen	Window		Wood	C	Intact
21	0	mg/cm2	0.2 Negative	2	7/3/2024	15:10:33	Kitchen	Window	Sill	Wood	C	Intact
22	0.1	mg/cm2	0.3 Negative	2	7/3/2024	15:10:51	Kitchen	Cabinets	Door	Wood	C	Intact
23	0	mg/cm2	0.2 Negative	2	7/3/2024	15:10:57	Kitchen	Cabinets	Frame	Wood	C	Intact
24	0.3	mg/cm2	0.2 Negative	2	7/3/2024	15:11:27	Bedroom 1	Room	Wall	Drywall	A	Intact
25	0.1	mg/cm2	0.2 Negative	2	7/3/2024	15:11:46	Bedroom 1	Room	Wall	Drywall	B	Intact
26	0	mg/cm2	0.2 Negative	2	7/3/2024	15:12:06	Bedroom 1	Room	Wall	Drywall	C	Intact
27	0.2	mg/cm2	0.3 Negative	2	7/3/2024	15:12:30	Bedroom 1	Room	Wall	Drywall	D	Intact

62	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:22:45	Bedroom 4	Door	Wood	C	Intact
63	0.1 mg/cm2	0.2 Negative	3	7/3/2024	15:22:52	Bedroom 4	Door	Wood	C	Intact
64	0.2 mg/cm2	0.2 Negative	2	7/3/2024	15:23:22	Bathroom 1	Room	Drywall	A	Intact
65	0.2 mg/cm2	0.3 Negative	2	7/3/2024	15:23:29	Bathroom 1	Room	Drywall	B	Intact
66	0.4 mg/cm2	0.2 Negative	2	7/3/2024	15:23:36	Bathroom 1	Room	Drywall	C	Intact
67	0.2 mg/cm2	0.2 Negative	2	7/3/2024	15:23:45	Bathroom 1	Room	Drywall	D	Intact
68	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:23:53	Bathroom 1	Room	Drywall		Intact
69	0 mg/cm2	0.2 Negative	2	7/3/2024	15:24:12	Bathroom 1	Room	Baseboard	Wood	Intact
70	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:24:29	Bathroom 1	Window	Wood	C	Intact
71	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:24:36	Bathroom 1	Window	Wood	C	Intact
72	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:25:12	Bathroom 1	Door	Wood	A	Intact
73	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:25:22	Bathroom 1	Door	Wood	A	Intact
74	1.4 mg/cm2	0.2 Positive	2	7/3/2024	15:26:19	Exterior	Room	Wood	A	Cracking
75	2.8 mg/cm2	0.2 Positive	2	7/3/2024	15:26:45	Exterior	Soffit	Wood	A	Cracking
76	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:26:55	Exterior	Fascia	Wood	A	Intact
77	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:28:14	Exterior	Window	Wood	A	Intact
78	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:28:50	Exterior	Door	Wood	A	Intact
79	0.2 mg/cm2	0.2 Negative	2	7/3/2024	15:29:03	Exterior	Door	Wood	A	Intact
80	0.6 mg/cm2	0.2 Negative	2	7/3/2024	15:29:38	Garage (Exte	Door	Wood	A	Intact
81	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:30:17	Garage (Exte	Door	Wood	A	Intact
82	1 mg/cm2	0.2 Positive	5	7/3/2024	15:31:14	Exterior	Room	Wood	B	Cracking
83	2 mg/cm2	0.2 Positive	2	7/3/2024	15:32:24	Exterior	Soffit	Wood	C	Cracking
84	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:32:56	Exterior	Fascia	Wood	C	Intact
85	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:34:02	Exterior	Window	Wood	C	Intact
86	0 mg/cm2	0.2 Negative	2	7/3/2024	15:34:08	Exterior	Window	Wood	C	Intact
87	0 mg/cm2	0.2 Negative	2	7/3/2024	15:34:24	Exterior	Door	Wood	C	Intact
88	0 mg/cm2	0.2 Negative	2	7/3/2024	15:34:31	Exterior	Door	Wood	C	Intact
89	0.1 mg/cm2	0.2 Negative	2	7/3/2024	15:35:20	Exterior	Window	Wood	D	Intact
90	0.4 mg/cm2	0.3 Negative	2	7/3/2024	15:35:26	Exterior	Soffit	Wood	D	Intact
91	0.7 mg/cm2	0.2 Negative	3	7/3/2024	15:36:06	Exterior	Fascia	Wood	D	Intact
92	0.85 mg/cm2	0.07	20.04	7/3/2024	16:10:25	Calibration				
93	0.9 mg/cm2	0.07	20.11	7/3/2024	16:11:00	Calibration				
94	0.89 mg/cm2	0.07	20.2	7/3/2024	16:11:37	Calibration				

* Exterior wrapped in Vinyl Siding (damaged)

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: 370651
Date Received: 07/10/24
Received By: Eric Caves
Date Sampled:
Time Sampled:
Analyst:
Date of Report: 07/16/24

AIHA LAP, LLC: 101352

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

Acct. No.: C162

Project: Michelle Goudeau
Location: Tulsa
Project No.: N/A

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01	Wipe	Lead	<0.13	**	ug/sq. Ft.	07/16/24 0:00	NIOSH 7082
002	02	Wipe	Lead	6.9	**	ug/sq. Ft.	07/16/24 0:00	NIOSH 7082
003	03	Wipe	Lead	220	**	ug/sq. Ft.	07/16/24 0:00	NIOSH 7082
004	04	Wipe	Lead	<0.13	**	ug/sq. Ft.	07/16/24 0:00	NIOSH 7082
005	05	Wipe	Lead	250	**	ug/sq. Ft.	07/16/24 0:00	NIOSH 7082
006	06	Wipe	Lead	39	**	ug/sq. Ft.	07/16/24 0:00	NIOSH 7082
007	07	Wipe	Lead	0.60	**	ug/sq. Ft.	07/16/24 0:00	NIOSH 7082
008	08	Soil	Lead	76	***	mg/kg	07/16/24 0:00	Soil EPA 7000B (1)

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

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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: 370651
Date Received: 07/10/24
Received By: Eric Caves
Date Sampled:
Time Sampled:
Analyst:
Date of Report: 07/16/24
AIHA LAP, LLC: 101352

Client: Cherokee Nation Environmental Programs
Logan Girty
PO Box 948
Tahlequah, OK 74464
Acct. No.: C162
Project: Michelle Goudeau
Location: Tulsa
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: _____

Eric Caves, Chemistry Technical Manager

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

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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

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Contact Information		Project Information	
Company: Cherokee Nation Environmental Programs	Phone: (918) 453-5000	Project Name: Michelle Goudeau	Report Results <input checked="" type="checkbox"/> one box
Contact: Logan Girty	Cell Phone: (918) 772-8346	Project Location: Tulsa	<input type="radio"/> Quantem Website
Account #: C 162	E-mail: logan-girty@cherokee.org	Project ID:	<input checked="" type="radio"/> Email_logan-girty@cherokee.org
SAMPLED BY: Name: Logan Girty	Date: 07/05/2024	P.O. Number: 874812	<input type="radio"/> Other

RELINQUISHED BY: <i>Logan G. Girty</i>	DATE & TIME: 7/5/2024 3 PM	VIA: FedEx	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 7/10/24 1030
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REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption				Other Analysis				TURNAROUND TIME		
				EPA 7000B wt% ppm mg/cm ²	Bulk (mg/kg)	Soil (mg/kg)	Wipes (ug/ft ²)	NIOSH 7082 Air (ug/m ³)	TCLP - Pb	TCLP - RCRA 8	Other Analysis			
1	01	Kitchen Floor	144 sq in				✓							
2	02	Living Rm Window Sill	54.38 sq in				✓							
3	03	Living Rm Window Trough	45 sq in				✓							
4	04	Bath Floor	144 sq in				✓							
5	05	Bedroom 2 Window Sill	46.5 sq in				✓							
6	06	Bedroom 2 Window Trough	175 sq in				✓							
7	07	A Side Porch Floor	144 sq in				✓							
8	08	Composite Soil					✓							
9														
10														
11														

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