

CHEROKEE NATION

Environmental Programs



LEAD-BASED PAINT CLEARANCE TEST

Unit #13828

PREPARED BY: LOGAN GIRTY, ENVIRONMENTAL SPECIALIST III

REQUESTED BY: HACN HOUSING REHABILITATION – GEORGE HUBBARD

GENERAL INFORMATION

Date of Clearance Inspection: October 9, 2024

Participant Name:

222 N Smith St, Vinita, OK 74301
36.6421 N°, -95.1592 W°
Home constructed in 1935

Clearance Examiner:

Logan Girty, Environmental Specialist III
Cherokee Nation Environmental Programs
PO BOX 948, Tahlequah, OK 74465
918.453.5009 Ext. 6140
Oklahoma Inspector/Risk Assessor, OKRASR13908
Cherokee Nation Inspector/Risk Assessor, CNRASR00037

Cherokee Nation Environmental Programs
PO Box 948, Tahlequah, OK 74465
918.453.5000
Oklahoma Firm: OKFIRM11198
Cherokee Nation Firm: CNFIRM00001

Laboratory:

QuanTEM Laboratories, LLC
AIHA-LAP 101352, NVLAP 101959-0
4220 N. Santa Fe Ave
Oklahoma City, OK 73105
(800) 822-1650

SUMMARY OF CLEARANCE RESULTS:

Based on a visual assessment and dust sampling on October 9, 2024, **dust-lead hazards, as defined by federal standards were found.**

Signature: *Logan Girty*

Date: 10/11/2024

SUMMARY OF HAZARD REDUCTION ACTIVITIES

Completion Date: October 8, 2024 @ 2:30 PM

Firm Information:

Rycon Environmental LLC
213 River St, Commerce, OK
OKFIRM12745
Construction Inspector: Carlos Ybarra OKSUVR12761

Description of Hazard Reduction Activities and Areas Addressed:

(Information in this section provided by Cherokee Nation Housing Rehabilitation Department)

Location	Activity
Interior	Please See Attached Write-Up
Exterior	Please See Attached Write-Up
Description of Work:	Prior to initiating work, install one layer of six-mil plastic on ground/floor and doorways of bedroom, and on floor from bedroom to exterior entrance and exit doorway. HEPA/WET/HEPA to reduce the elevated lead dust levels on the bedroom floor, and Hepa-vac plastic to remove leaded dust. Remove six-mil plastic from lead activity areas. Seal and tape all laps and joints. Debris shall be stored in locked trailer or dumpster until it can be taken to a code legal dump site.
Occupant Protection Plan:	N/A – Not Abatement Work

On-Going Lead Based Paint Monitoring Requirements:

CN Housing Rehab provides services for eligible Cherokee Citizen's privately owned homes. The NAHASDA funding is from year to year and none can be set aside for the follow up monitoring for Interim Controls of the Lead Based Paint. Enclosures and component replacement is chosen, when possible, to remove the lead hazard because it is in the best interest for the participant to prevent lead based paint and dust hazards.

VISUAL ASSESSMENT – LEAD HAZARD CLEARANCE EXAMINATION

Work Area	Deteriorated Paint	Debris	Visible Dust	Notes	Pass/Fail
Basement	No	No	No		Pass
Bath 1&2	No	No	No		Pass
Bedroom 1&2	No	No	No		Pass
Dining Rm	No	No	No		Pass
A Side Porch	No	No	No		Pass
Exterior Soffit	No	No	No		Pass

DUST LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Surface	Dimensions of sample area (inch)	µg /ft ²	Pass/Fail
01	Entry	Floor	12x12	3.2	Pass
02	Living Rm	Floor	12x12	3.0	Pass
03	Living Rm	Window Sill	4.75x30	<2.5	Pass
04	Living Rm	Window Trough	3x29	14	Pass
05	Bath 1	Floor	12x12	<2.5	Pass
06	Kitchen	Floor	12x12	3.3	Pass
07	Dining Rm	Window Sill	5.5x30.5	3.5	Pass
08	Basement	Floor (conc)	12x12	250	Pass
09	Bath 2	Floor	12x12	10	Failed
10	Bath	Window Sill	2.75x22.5	19	Pass
11	A Side Porch	Floor (conc)	12x12	17	Pass

HUD/EPA Clearance Standards for Lead in Dust: Floors 10µg /ft², Interior window sill 100µg /ft², Window trough: 100µg /ft²

SOIL LEAD HAZARD CLEARANCE EXAMINATION:

Sample #	Location	Bare or Covered	µg /g	Pass/Fail
12	Dripline	Bare	350	Pass

HUD/EPA Clearance Standards for Lead in Soils: Play Areas 400 µg /g, all other areas 1200 µg /g



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 373228 **Client:** Cherokee Nation Environmental Programs
Date Received: 10/10/24 **Received By:** Logan Girty
Received By: Eric Caves **PO Box 948:**
Date Sampled: **Tahlequah, OK 74464:**
Time Sampled: **Acct. No.:** C162
Analyst: **Location:** Vinita
Date of Report: 10/10/24 **Project No.:** N/A
AIHA LAP, LLC: 101352

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	01	Wipe	Lead	3.2	2.5	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
002	02	Wipe	Lead	3.0	2.5	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
003	03	Wipe	Lead	<2.5	2.5	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
004	04	Wipe	Lead	14	4.1	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
005	05	Wipe	Lead	<2.5	2.5	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
006	06	Wipe	Lead	3.3	2.5	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
007	07	Wipe	Lead	3.5	2.2	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
008	08	Wipe	Lead	250	2.5	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
009	09	Wipe	Lead	10.0	2.5	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
010	10	Wipe	Lead	19	5.8	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
011	11	Wipe	Lead	17	2.5	ug/sq. Ft.	10/10/24 14:42	NIOSH 7082
012	12	Soil	Lead	350	25	mg/kg	10/10/24 14:42	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

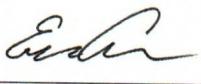
Environmental Chemistry Analysis Report

QuanTEM Set ID: 373228
Date Received: 10/10/24
Received By: Eric Caves
Date Sampled:
Time Sampled:
Analyst:
Date of Report: 10/10/24

AIHA LAP, LLC: 101352

Client: Cherokee Nation Environmental Programs
Logan Girty
PO Box 948
Tahlequah, OK 74464
Acct. No.: C162
Location: Vinita
Project No.: N/A

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

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.

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: 21266

Test: Lead

Date: 10/10/2024

Matrix: Soil

Lab Number: 373228

Approved By: Eric Caves

Date Approved: 10/10/2024

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
FCV	2.2	2.58	2.8
CCV	2.2	2.58	2.8
RLVS	0.05	0.11	0.15
ICV	0.9	1.03	1.1

Duplicate Data:

Sample Number	Result	Duplicate	% RPD
373154-010	2.295	2.416	5.1

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
LCS-S	0.000	2.428	2.650	109.1	2.600	107.1	1.9
373154-010	2.300	2.000	4.180	94.0			

Authorized Signature: 

Eric Caves, Chemistry Technical Manager

Supplemental Report

QAQC Results

QA ID: 21267

Test: Lead

Date: 10/10/2024

Matrix: Wipe

Lab Number: 373228

Approved By: Eric Caves

Date Approved: 10/10/2024

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
FCV	2.2	2.58	2.8
CCV	2.2	2.58	2.8
RLVS	0.05	0.08	0.15
ICV	0.9	1.03	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	2.680	110.4	2.460	101.3	8.6

Authorized Signature: 

Eric Caves, Chemistry Technical Manager



LEAD CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

www.QuantEM.com

Page 1 of 2

For Lab Use Only	
Lab No. <u>373-228</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information	
Company: Cherokee Nation Environmental Programs	Phone: (918) 453-5000
Contact: Logan Girty	Cell Phone: (918) 772-8346
Account #: C 162	E-mail: logan-girty@cherokee.org
SAMPLED By: Name: Logan Girty	Date: 10/09/2024
REFINISHED BY <i>J. S.</i>	
DATE & TIME 10/09/2024 4:00 PM	
VIA FedEx	
P.O. Number: 895481	

REQUESTED SERVICES (Please <input checked="" type="checkbox"/> the Appropriate Boxes)	
REFINISHED BY <i>J. S.</i>	RECEIVED BY <i>Logan Girty</i>
DATE & TIME 10/09/2024 4:00 PM	VIA FedEx
P.O. Number: 895481	

Project Information						
Report Results (<input checked="" type="checkbox"/> one box)						
<input type="radio"/> QuantEM Website	<input type="radio"/> QuantEM Website					
<input checked="" type="radio"/> Email logan-girty@cherokee.org	<input type="radio"/> Email logan-girty@cherokee.org					
<input type="radio"/> Other _____	<input type="radio"/> Other _____					
TURNAROUND TIME						
<input type="radio"/> Same Day	<input checked="" type="radio"/> Same Day					
<input type="radio"/> 24 - Hour	<input type="radio"/> 24 - Hour					
<input type="radio"/> 3 - Day	<input type="radio"/> 3 - Day					
<input type="radio"/> 5 - Day	<input type="radio"/> 5 - Day					
REQUESTED SERVICES (Please <input checked="" type="checkbox"/> the Appropriate Boxes)						
No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption		
				EPA 7000B	NIOSH 7082	Other Analysis
				TCLP - Pb	TCRA 8	Other
				Wipes (ug/ft ²)	Air (ug/m ³)	
				Soil (mg/kg)	TCLP - RCRA 8	
				Paint Chips wt% ppm mg/cm ²	EPA 7000B	
				bulk (mg/kg)	NIOSH 7082	
				Other Analysis	TCRA 8	
1	01	Entry Floor	144 sq in	<input checked="" type="checkbox"/>		
2	02	Living Rm Floor	144 sq in		<input checked="" type="checkbox"/>	
3	03	Living Rm Window Sill	142.5 sq in		<input checked="" type="checkbox"/>	
4	04	Living Rm Window Trough	87 sq in		<input checked="" type="checkbox"/>	
5	05	Bath 1 Floor	144 sq in		<input checked="" type="checkbox"/>	
6	06	Kitchen Floor	144 sq in		<input checked="" type="checkbox"/>	
7	07	Dining Rm Window Sill	167.75 sq in		<input checked="" type="checkbox"/>	
8	08	Basement Floor (conc)	144 sq in		<input checked="" type="checkbox"/>	
9	09	Bath 2 Floor	144 sq in		<input checked="" type="checkbox"/>	
10	10	Bath 2 Window Sill	61.875		<input checked="" type="checkbox"/>	
11	11	A Side Porch Floor (conc)	144 sq in		<input checked="" type="checkbox"/>	

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



LEAD CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page 2 of 2

For Lab Use Only	
Lab No. <u>373228</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Project Information		Project Name:		Project Location: Vinita	
REQUESTED SERVICES (Please <input type="checkbox"/> the Appropriate Boxes)					
No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption	
				EPA 7000B	NIOSH 7082
12	12	Composite Soil	✓		
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					

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