Radon Measurement Report

Blue Anchor Property Inspections

COMPANY INFORMATION

Name:	Blue Anchor Property Inspections, LLC
Phone Number:	708 250-6821
Email:	inspectorjr@blueanchorpropertyinspections.com
Address:	19518 Lancaster Dr, Mokena, IL 60448, USA

CERTIFICATIONS

Name:	Number:	Expiration Date:
John Rolnicki - Radon Measurement Professional	RNI20232079	07/31/2028

Radon Measurement Report

MEASUREMENT ADDRESS AND PROPERTY INFORMATION

Address:	Joliet, Illinois 60435, United States
Building Year:	1999
Ventilation Type:	None
Building Type:	House
Foundation Type:	Basement Foundation
Radon Mitigation System:	None

2 MONITOR AVG TEST RESULTS

Average Test Results: 26.2 in the basement and 12.3 in the living room over the slab.

≥4.0 PCI/L - W/O MITIGATION SYSTEM

The average measured radon level is at or above the Environmental Protection Agency (EPA) Action Level of 4.0 pCi/L. The EPA recommends having a radon mitigation system installed to reduce the concentration of indoor radon. Retest the building at least 24 hours but within 30 days after the system has been installed and running. The EPA recommends having the building retested at least once every 2 years to ensure the system remains effective. Performing follow-up tests during the heating season is recommended since this is when radon levels tend to be the highest. A 12-month long test, or continuous monitoring, will most accurately reflect radon exposure throughout the year.

TIME REPORT WAS GENERATED

Unique Report ID:	2700014359-2025-01-29T00:02:15Z
Date Report Was Generated:	2025-03-19
Time:	6:32 p.m. CDT

DEVICE FIELD ACTIONS:

Deployed By: John Rolnicki #RNI20232079
Retrieved By: John Rolnicki #RNI20232079
Analyzed By: John Rolnicki #RNI20232079

1ST MONITOR TEST INFORMATION

Average Radon Level:	26.2 pCi/L
Dataset Name:	Joliet
Measurement Type:	Real-Estate Transaction
Start Date:	Jan 28, 2025, 5:02 p.m. CST
End Date:	Jan 30, 2025, 5:02 p.m. CST
Measurement Duration:	48h
Test Delay:	2h
Floor/Level:	Basement
Room:	Unfinished Basement
Comment:	No comments documented.

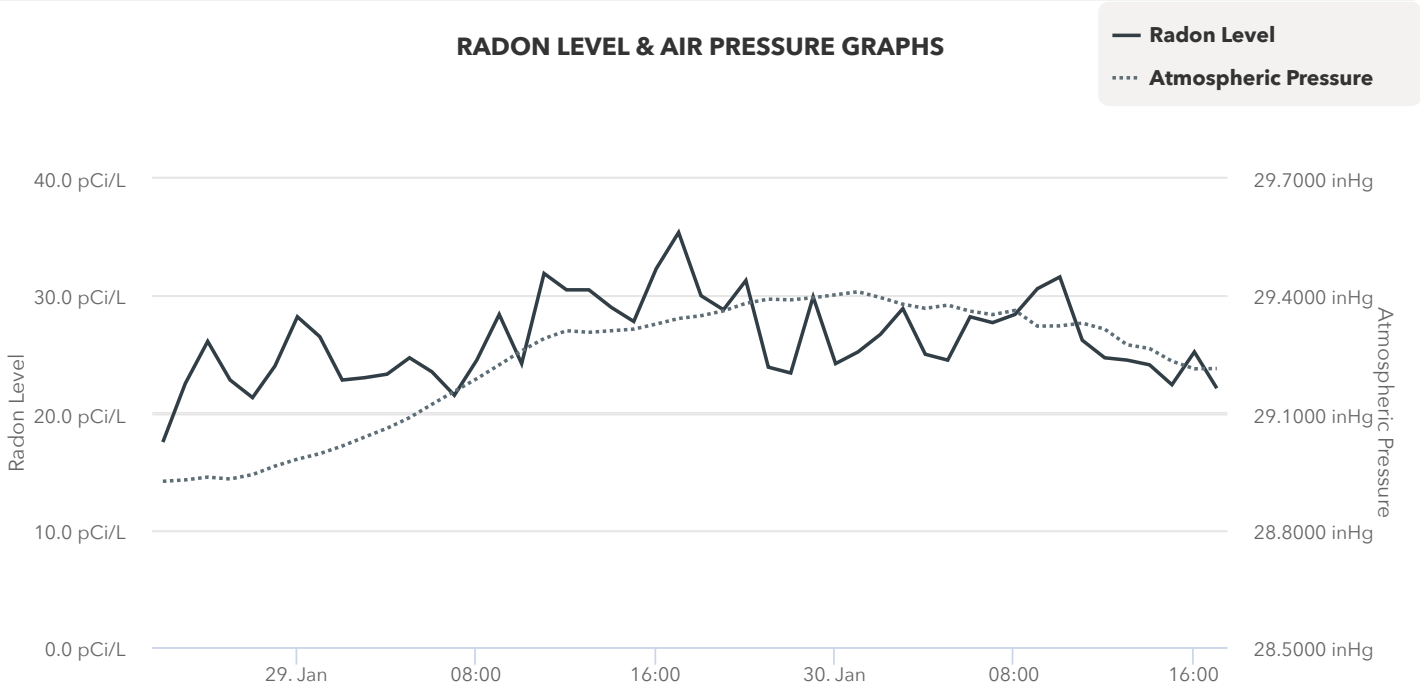
MONITOR INFORMATION

Serial Number:	2700014359
Calibration Date:	2024-06-13
Calibration Expiration Date:	2025-06-13
Manufacturer:	Airthings
Model:	Corentium Pro
Calibration Chamber:	Airthings Lab
License #:	TC111706 / TRC2101
Noninterference Controls:	Corentium Pro uses a motion sensor to detect movement of the monitor during the measurement. It also records hourly temperature, humidity, and atmospheric pressure data to detect if closed-building conditions may have been broken during the measurement.

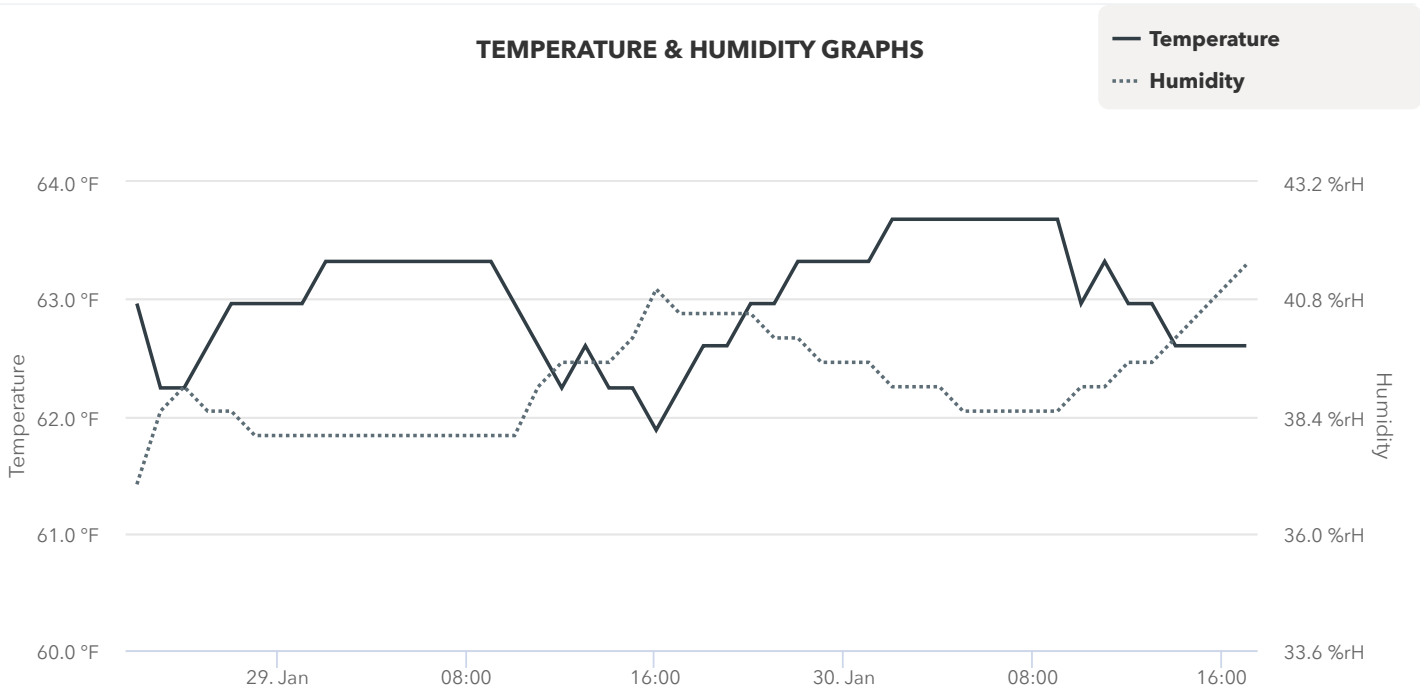
MEASUREMENT SUMMARY

	MINIMUM	AVERAGE	MAXIMUM
LEVEL OF RADON	17.5 pCi/L	26.2 pCi/L	35.4 pCi/L
TEMPERATURE	61.9 °F	63.0 °F	63.7 °F
HUMIDITY	37.0 %rH	39.1 %rH	41.5 %rH
ATMOSPHERIC PRESSURE	28.9246 inHg	29.2314 inHg	29.4101 inHg

RADON LEVEL & AIR PRESSURE GRAPHS



TEMPERATURE & HUMIDITY GRAPHS



HOURLY MEASUREMENT DATA

Note : Measurements are offset by 1 hour from the start of the test. (The first hour will read 3:00 for a 2:00 start time).

	DATE & TIME	RADON	AIR PRESSURE	TEMPERATURE	HUMIDITY
1	2025-01-28, 6:02 p.m. CST	17.5 pCi/L	28.9246 inHg	63.0 °F	37.0 %rH
2	2025-01-28, 7:02 p.m. CST	22.5 pCi/L	28.9282 inHg	62.2 °F	38.5 %rH
3	2025-01-28, 8:02 p.m. CST	26.1 pCi/L	28.9353 inHg	62.2 °F	39.0 %rH
4	2025-01-28, 9:02 p.m. CST	22.8 pCi/L	28.9305 inHg	62.6 °F	38.5 %rH
5	2025-01-28, 10:02 p.m. CST	21.3 pCi/L	28.9418 inHg	63.0 °F	38.5 %rH
6	2025-01-28, 11:02 p.m. CST	24.0 pCi/L	28.9636 inHg	63.0 °F	38.0 %rH
7	2025-01-29, 12:02 a.m. CST	28.2 pCi/L	28.9813 inHg	63.0 °F	38.0 %rH
8	2025-01-29, 1:02 a.m. CST	26.5 pCi/L	28.9955 inHg	63.0 °F	38.0 %rH
9	2025-01-29, 2:02 a.m. CST	22.8 pCi/L	29.0150 inHg	63.3 °F	38.0 %rH
10	2025-01-29, 3:02 a.m. CST	23.0 pCi/L	29.0380 inHg	63.3 °F	38.0 %rH
11	2025-01-29, 4:02 a.m. CST	23.3 pCi/L	29.0605 inHg	63.3 °F	38.0 %rH
12	2025-01-29, 5:02 a.m. CST	24.7 pCi/L	29.0876 inHg	63.3 °F	38.0 %rH
13	2025-01-29, 6:02 a.m. CST	23.5 pCi/L	29.1219 inHg	63.3 °F	38.0 %rH
14	2025-01-29, 7:02 a.m. CST	21.5 pCi/L	29.1550 inHg	63.3 °F	38.0 %rH
15	2025-01-29, 8:02 a.m. CST	24.5 pCi/L	29.1875 inHg	63.3 °F	38.0 %rH
16	2025-01-29, 9:02 a.m. CST	28.4 pCi/L	29.2229 inHg	63.3 °F	38.0 %rH
17	2025-01-29, 10:02 a.m. CST	24.2 pCi/L	29.2589 inHg	63.0 °F	38.0 %rH
18	2025-01-29, 11:02 a.m. CST	31.9 pCi/L	29.2902 inHg	62.6 °F	39.0 %rH
19	2025-01-29, 12:02 p.m. CST	30.5 pCi/L	29.3103 inHg	62.2 °F	39.5 %rH
20	2025-01-29, 1:02 p.m. CST	30.5 pCi/L	29.3062 inHg	62.6 °F	39.5 %rH
21	2025-01-29, 2:02 p.m. CST	29.0 pCi/L	29.3103 inHg	62.2 °F	39.5 %rH
22	2025-01-29, 3:02 p.m. CST	27.8 pCi/L	29.3144 inHg	62.2 °F	40.0 %rH
23	2025-01-29, 4:02 p.m. CST	32.3 pCi/L	29.3274 inHg	61.9 °F	41.0 %rH
24	2025-01-29, 5:02 p.m. CST	35.4 pCi/L	29.3416 inHg	62.2 °F	40.5 %rH
25	2025-01-29, 6:02 p.m. CST	30.0 pCi/L	29.3487 inHg	62.6 °F	40.5 %rH
26	2025-01-29, 7:02 p.m. CST	28.8 pCi/L	29.3611 inHg	62.6 °F	40.5 %rH
27	2025-01-29, 8:02 p.m. CST	31.3 pCi/L	29.3806 inHg	63.0 °F	40.5 %rH
28	2025-01-29, 9:02 p.m. CST	23.9 pCi/L	29.3912 inHg	63.0 °F	40.0 %rH
29	2025-01-29, 10:02 p.m. CST	23.4 pCi/L	29.3894 inHg	63.3 °F	40.0 %rH
30	2025-01-29, 11:02 p.m. CST	29.9 pCi/L	29.3948 inHg	63.3 °F	39.5 %rH
31	2025-01-30, 12:02 a.m. CST	24.2 pCi/L	29.4024 inHg	63.3 °F	39.5 %rH
32	2025-01-30, 1:02 a.m. CST	25.2 pCi/L	29.4101 inHg	63.3 °F	39.5 %rH

33	2025-01-30, 2:02 a.m. CST	**26.7 pCi/L**	**29.3953 inHg**	**63.7 °F**	**39.0 %rH**
34	2025-01-30, 3:02 a.m. CST	**28.9 pCi/L**	**29.3782 inHg**	**63.7 °F**	**39.0 %rH**
35	2025-01-30, 4:02 a.m. CST	**25.0 pCi/L**	**29.3676 inHg**	**63.7 °F**	**39.0 %rH**
36	2025-01-30, 5:02 a.m. CST	**24.5 pCi/L**	**29.3759 inHg**	**63.7 °F**	**38.5 %rH**
37	2025-01-30, 6:02 a.m. CST	**28.2 pCi/L**	**29.3605 inHg**	**63.7 °F**	**38.5 %rH**
38	2025-01-30, 7:02 a.m. CST	**27.7 pCi/L**	**29.3516 inHg**	**63.7 °F**	**38.5 %rH**
39	2025-01-30, 8:02 a.m. CST	**28.4 pCi/L**	**29.3623 inHg**	**63.7 °F**	**38.5 %rH**
40	2025-01-30, 9:02 a.m. CST	**30.6 pCi/L**	**29.3221 inHg**	**63.7 °F**	**38.5 %rH**
41	2025-01-30, 10:02 a.m. CST	**31.6 pCi/L**	**29.3227 inHg**	**63.0 °F**	**39.0 %rH**
42	2025-01-30, 11:02 a.m. CST	**26.2 pCi/L**	**29.3298 inHg**	**63.3 °F**	**39.0 %rH**
43	2025-01-30, 12:02 p.m. CST	**24.7 pCi/L**	**29.3144 inHg**	**63.0 °F**	**39.5 %rH**
44	2025-01-30, 1:02 p.m. CST	**24.5 pCi/L**	**29.2743 inHg**	**63.0 °F**	**39.5 %rH**
45	2025-01-30, 2:02 p.m. CST	**24.1 pCi/L**	**29.2648 inHg**	**62.6 °F**	**40.0 %rH**
46	2025-01-30, 3:02 p.m. CST	**22.4 pCi/L**	**29.2323 inHg**	**62.6 °F**	**40.5 %rH**
47	2025-01-30, 4:02 p.m. CST	**25.2 pCi/L**	**29.2128 inHg**	**62.6 °F**	**41.0 %rH**
48	2025-01-30, 5:02 p.m. CST	**22.1 pCi/L**	**29.2134 inHg**	**62.6 °F**	**41.5 %rH**

Radon Measurement Report

Blue Anchor Property Inspections

2ND MONITOR TEST INFORMATION

Average Radon Level:	12.3 pCi/L
Dataset Name:	Joliet2
Measurement Type:	Real-Estate Transaction
Start Date:	Jan 28, 2025, 5:00 p.m. CST
End Date:	Jan 30, 2025, 5:00 p.m. CST
Measurement Duration:	48h
Test Delay:	2h
Floor/Level:	1
Room:	Living Room
Comment:	No comments documented.

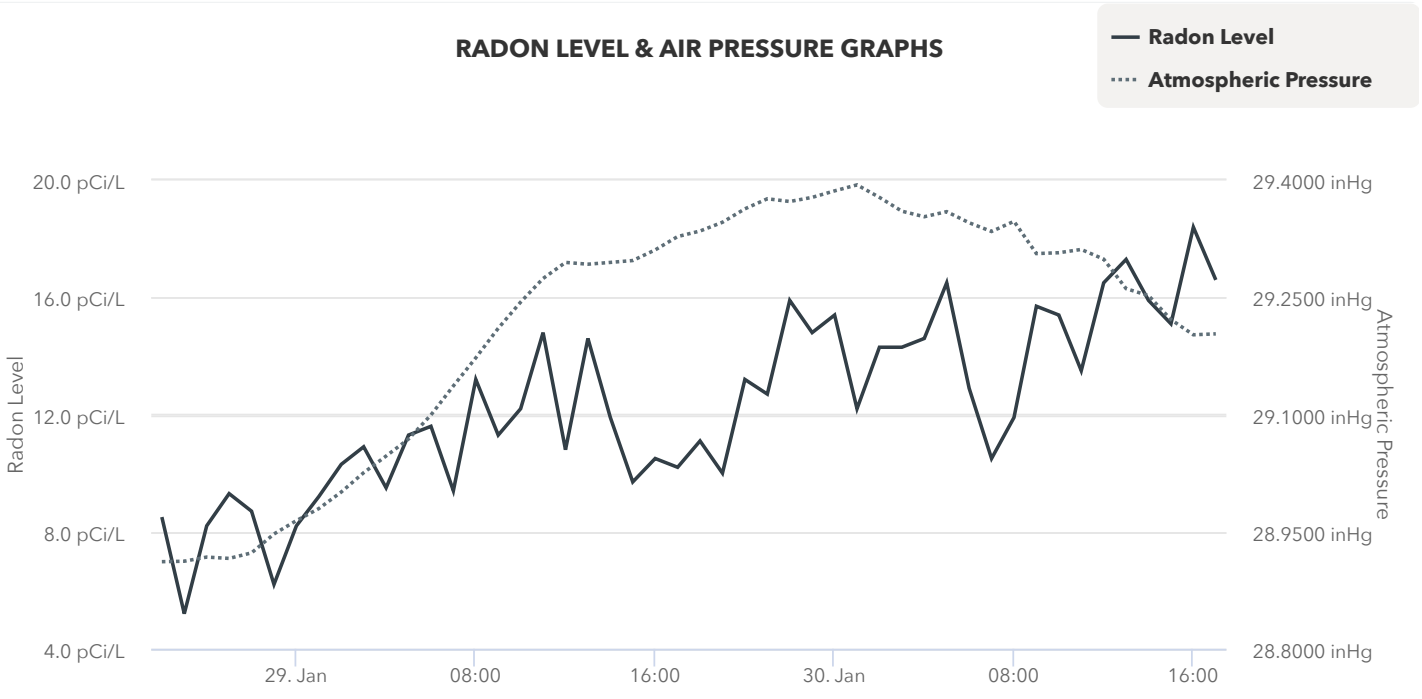
MONITOR INFORMATION

Serial Number:	2700017234
Calibration Date:	2024-04-25
Calibration Expiration Date:	2025-04-25
Manufacturer:	Airthings
Model:	Corentium Pro
Calibration Chamber:	Airthings Lab
License #:	TC111706 / TRC2101
Noninterference Controls:	Corentium Pro uses a motion sensor to detect movement of the monitor during the measurement. It also records hourly temperature, humidity, and atmospheric pressure data to detect if closed-building conditions may have been broken during the measurement.

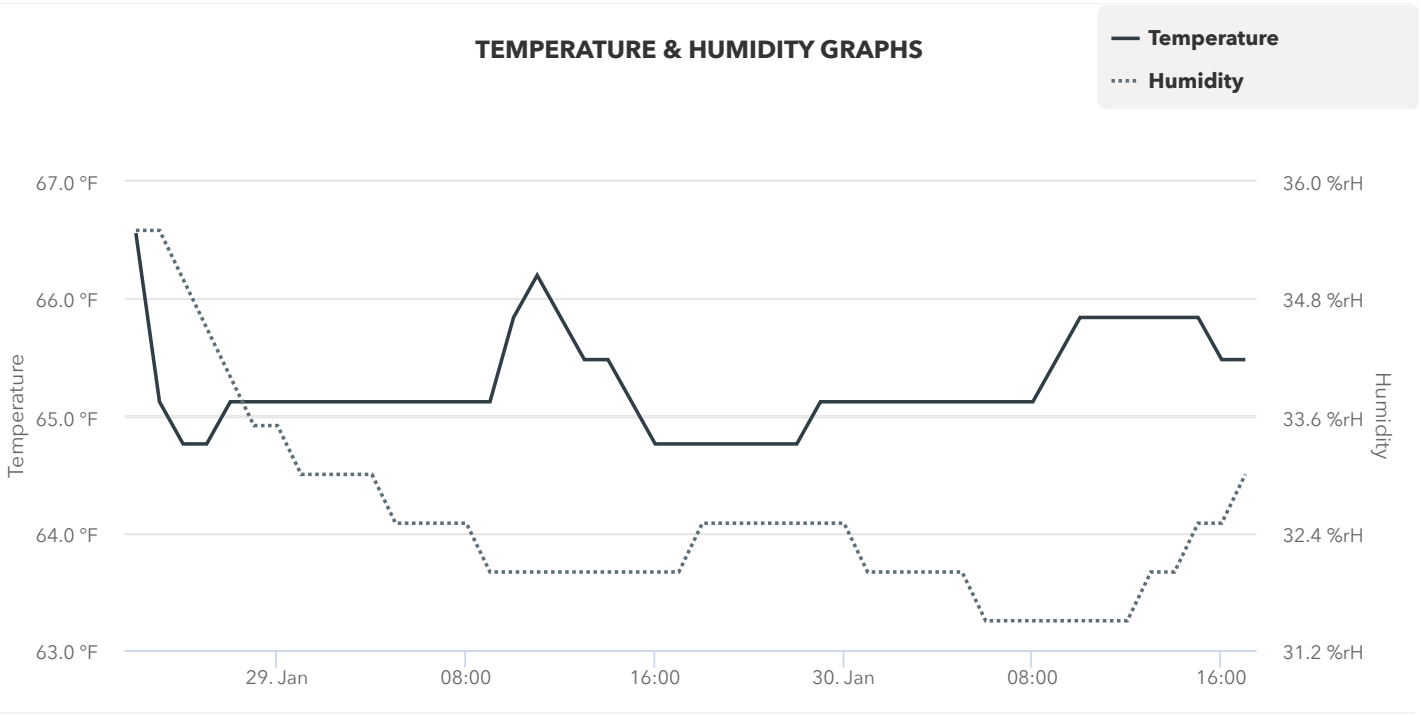
MEASUREMENT SUMMARY

	MINIMUM	AVERAGE	MAXIMUM
LEVEL OF RADON	5.2 pCi/L	12.3 pCi/L	18.4 pCi/L
TEMPERATURE	64.8 °F	65.3 °F	66.6 °F
HUMIDITY	31.5 %rH	32.5 %rH	35.5 %rH
ATMOSPHERIC PRESSURE	28.9116 inHg	29.2160 inHg	29.3942 inHg

RADON LEVEL & AIR PRESSURE GRAPHS



TEMPERATURE & HUMIDITY GRAPHS



HOURLY MEASUREMENT DATA

Note : Measurements are offset by 1 hour from the start of the test. (The first hour will read 3:00 for a 2:00 start time).

	DATE & TIME	RADON	AIR PRESSURE	TEMPERATURE	HUMIDITY
1	2025-01-28, 6:00 p.m. CST	8.5 pCi/L	28.9116 inHg	66.6 °F	35.5 %rH
2	2025-01-28, 7:00 p.m. CST	5.2 pCi/L	28.9122 inHg	65.1 °F	35.5 %rH
3	2025-01-28, 8:00 p.m. CST	8.2 pCi/L	28.9175 inHg	64.8 °F	35.0 %rH
4	2025-01-28, 9:00 p.m. CST	9.3 pCi/L	28.9158 inHg	64.8 °F	34.5 %rH
5	2025-01-28, 10:00 p.m. CST	8.7 pCi/L	28.9229 inHg	65.1 °F	34.0 %rH
6	2025-01-28, 11:00 p.m. CST	6.2 pCi/L	28.9471 inHg	65.1 °F	33.5 %rH
7	2025-01-29, 12:00 a.m. CST	8.2 pCi/L	28.9642 inHg	65.1 °F	33.5 %rH
8	2025-01-29, 1:00 a.m. CST	9.2 pCi/L	28.9796 inHg	65.1 °F	33.0 %rH
9	2025-01-29, 2:00 a.m. CST	10.3 pCi/L	29.0008 inHg	65.1 °F	33.0 %rH
10	2025-01-29, 3:00 a.m. CST	10.9 pCi/L	29.0256 inHg	65.1 °F	33.0 %rH
11	2025-01-29, 4:00 a.m. CST	9.5 pCi/L	29.0469 inHg	65.1 °F	33.0 %rH
12	2025-01-29, 5:00 a.m. CST	11.3 pCi/L	29.0687 inHg	65.1 °F	32.5 %rH
13	2025-01-29, 6:00 a.m. CST	11.6 pCi/L	29.0995 inHg	65.1 °F	32.5 %rH
14	2025-01-29, 7:00 a.m. CST	9.4 pCi/L	29.1367 inHg	65.1 °F	32.5 %rH
15	2025-01-29, 8:00 a.m. CST	13.2 pCi/L	29.1727 inHg	65.1 °F	32.5 %rH
16	2025-01-29, 9:00 a.m. CST	11.3 pCi/L	29.2105 inHg	65.1 °F	32.0 %rH
17	2025-01-29, 10:00 a.m. CST	12.2 pCi/L	29.2441 inHg	65.8 °F	32.0 %rH
18	2025-01-29, 11:00 a.m. CST	14.8 pCi/L	29.2743 inHg	66.2 °F	32.0 %rH
19	2025-01-29, 12:00 p.m. CST	10.8 pCi/L	29.2949 inHg	65.8 °F	32.0 %rH
20	2025-01-29, 1:00 p.m. CST	14.6 pCi/L	29.2926 inHg	65.5 °F	32.0 %rH
21	2025-01-29, 2:00 p.m. CST	11.9 pCi/L	29.2949 inHg	65.5 °F	32.0 %rH
22	2025-01-29, 3:00 p.m. CST	9.7 pCi/L	29.2973 inHg	65.1 °F	32.0 %rH
23	2025-01-29, 4:00 p.m. CST	10.5 pCi/L	29.3109 inHg	64.8 °F	32.0 %rH
24	2025-01-29, 5:00 p.m. CST	10.2 pCi/L	29.3280 inHg	64.8 °F	32.0 %rH
25	2025-01-29, 6:00 p.m. CST	11.1 pCi/L	29.3351 inHg	64.8 °F	32.5 %rH
26	2025-01-29, 7:00 p.m. CST	10.0 pCi/L	29.3463 inHg	64.8 °F	32.5 %rH
27	2025-01-29, 8:00 p.m. CST	13.2 pCi/L	29.3635 inHg	64.8 °F	32.5 %rH
28	2025-01-29, 9:00 p.m. CST	12.7 pCi/L	29.3764 inHg	64.8 °F	32.5 %rH
29	2025-01-29, 10:00 p.m. CST	15.9 pCi/L	29.3729 inHg	64.8 °F	32.5 %rH
30	2025-01-29, 11:00 p.m. CST	14.8 pCi/L	29.3782 inHg	65.1 °F	32.5 %rH
31	2025-01-30, 12:00 a.m. CST	15.4 pCi/L	29.3865 inHg	65.1 °F	32.5 %rH
32	2025-01-30, 1:00 a.m. CST	12.2 pCi/L	29.3942 inHg	65.1 °F	32.0 %rH

33	2025-01-30, 2:00 a.m. CST	14.3 pCi/L	29.3782 inHg	65.1 °F	32.0 %rH
34	2025-01-30, 3:00 a.m. CST	14.3 pCi/L	29.3605 inHg	65.1 °F	32.0 %rH
35	2025-01-30, 4:00 a.m. CST	14.6 pCi/L	29.3534 inHg	65.1 °F	32.0 %rH
36	2025-01-30, 5:00 a.m. CST	16.5 pCi/L	29.3599 inHg	65.1 °F	32.0 %rH
37	2025-01-30, 6:00 a.m. CST	12.9 pCi/L	29.3457 inHg	65.1 °F	31.5 %rH
38	2025-01-30, 7:00 a.m. CST	10.5 pCi/L	29.3345 inHg	65.1 °F	31.5 %rH
39	2025-01-30, 8:00 a.m. CST	11.9 pCi/L	29.3475 inHg	65.1 °F	31.5 %rH
40	2025-01-30, 9:00 a.m. CST	15.7 pCi/L	29.3062 inHg	65.5 °F	31.5 %rH
41	2025-01-30, 10:00 a.m. CST	15.4 pCi/L	29.3073 inHg	65.8 °F	31.5 %rH
42	2025-01-30, 11:00 a.m. CST	13.5 pCi/L	29.3115 inHg	65.8 °F	31.5 %rH
43	2025-01-30, 12:00 p.m. CST	16.5 pCi/L	29.2991 inHg	65.8 °F	31.5 %rH
44	2025-01-30, 1:00 p.m. CST	17.3 pCi/L	29.2613 inHg	65.8 °F	32.0 %rH
45	2025-01-30, 2:00 p.m. CST	15.9 pCi/L	29.2524 inHg	65.8 °F	32.0 %rH
46	2025-01-30, 3:00 p.m. CST	15.1 pCi/L	29.2217 inHg	65.8 °F	32.5 %rH
47	2025-01-30, 4:00 p.m. CST	18.4 pCi/L	29.2022 inHg	65.5 °F	32.5 %rH
48	2025-01-30, 5:00 p.m. CST	16.6 pCi/L	29.2034 inHg	65.5 °F	33.0 %rH

TEMPORARY CONDITIONS & DEVIATIONS FROM PROTOCOL

Temporary Conditions:	None documented.
Deviations from Protocol:	None documented.

RADON MEASUREMENT PROFESSIONAL

Name:	John Rolnicki
Email address:	inspectorjr0@gmail.com
Phone number:	708 250-6821

STATEMENT OF LIMITATIONS

There is an uncertainty with any radon measurement result due to statistical variations in radiation, and other factors such as conditions which change daily and seasonally which can cause variations in indoor radon levels. These conditions can change based on the weather, the use or disuse of appliances, systems, and components of the structure, tampering with the radon test, or failure to comply with the closed-building conditions necessary for a valid radon measurement result.

ADDITIONAL RADON INFORMATION

For further information regarding your radon measurement report, radon exposure risk, a radon professional, or to obtain a list of certified radon measurement and mitigation professionals in your area, contact your jurisdiction's Department of Health.
A list of radon mitigation professionals can be found at the following link:
https://public.iema.state.il.us/Radon/Home/LicenseIndex

RADON PROFESSIONAL'S SIGNATURE

This report is certified by John Rolnicki.

John Rolnicki

Electronic Signature

2025-01-30