



**MCPS RADON TESTING – EXECUTIVE SUMMARY**

Site Name	Rosa Parks Middle School
Date of Test Report	05/12/2022
Round of Testing	Initial <u>Follow-up</u> Post Remediation 2 Year Testing 5 Year Testing HVAC Upgrade Window Replacement New Addition New Facility
# Rooms Tested	5
# Rooms $\geq$ 4.0 pCi/L	0
Lowest Value	<0.3 pCi/L
Highest Value	0.8 pCi/L

**Project Status**

Current Project Status at this time: Testing completed; no further action needed



May 12, 2022

Mr. Brian Croyle, PG, CHMM  
Environmental Specialist  
Montgomery County Public Schools  
Gaithersburg, MD 20879

Re: **Radon Testing Services**  
KCI Job # 122108316

Location: Rose Parks Middle School  
19200 Olney Mill Rd.  
Olney, MD 20832

Dear Mr. Croyle:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to Montgomery County Public Schools (MCPS) pursuant to completing a “short-term” 3 day radon test for the Rosa Parks Middle School, located at 19200 Olney Mill Rd. Olney, MD 20832 (subject site).

**Scope of Services:**

KCI conducted radon testing at the subject site to evaluate indoor radon levels relative to the USEPA's recommended action level of 4.0 picocuries per Liter (pCi/L) - the level at which EPA recommends that schools take action to reduce the level. KCI conducted the radon testing in accordance with American Association of Radon Scientists and Technologists (AARST) *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*. A National Radon Proficiency Program (NRPP) Radon Measurement Specialist (certification #111004 RT) supervised the testing. Additional information on radon management and the health effects of radon exposure is available from <https://www.montgomeryschoolsmd.org> or [www.epa.gov/radon](http://www.epa.gov/radon).

KCI visited the site on March 21, 2022 and deployed seven (7) activated charcoal (AC) radon test kits. KCI deployed radon test kits in all frequently-occupied ground contact rooms, and other areas, (if applicable) in accordance with AARST guidance.

KCI sampled the following locations during this follow-up test:

1. Rooms with missing test kits from the Radon 2022 testing period (i.e. test kit was deployed but not recovered),
2. Rooms with invalidated test kits from the Radon 2022 testing period (e.g. an open window in the room or disturbed test kit),
3. Rooms which were locked/inaccessible during the Radon 2022 testing period,
4. Rooms with elevated radon results (i.e.  $\geq 3.5$  pCi/L),
5. Rooms previously tested for radon but not tested in Radon 2022, and
6. Additional rooms that require testing (if applicable.)

A floor plan map of the building with the test locations is included as Attachment A of this report.

As a quality control measure, KCI also included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted test kits to Bowser-Morner, Inc. as spike samples. The spiked tests were exposed to a known radon concentration by Bowser-Morner prior to being returned to the laboratory for analysis.

KCI returned to the site on March 24, 2022 to retrieve the radon sampling test kits. KCI shipped all radon tests via overnight delivery to Airchek, Inc. for analysis by gamma-ray spectroscopy. Airchek, Inc. is a NRSB certified analytical laboratory for radon analysis (certification # ARL1402) located at 1936 Butler Bridge Road, Mills River, North Carolina.

### **Evaluation of Testing Conditions:**

These tests represent:

- Follow-up to initial testing.

These tests were conducted to:

- Evaluate radon concentrations at the facility.

According to AARST, *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*, ideal testing conditions would be when the building is fully occupied and the heating system is active. For this test, the facility's HVAC system was operating in heating mode; therefore, KCI concludes that this test was conducted during ideal testing conditions.

KCI recorded observations of the following conditions in each room during the time of deployment and collection of the radon test kits:

- Indoor temperature,
- HVAC Operation,
- Dehumidifier operation,
- Humidifier operation,
- Ceiling fan operation, and
- Open windows or doors.

KCI also compiled weather data for the testing period and conducted observations of relevant field conditions. During the test period, weather records indicate low temperatures were in the low 40°Fs and high temperatures ranged from the low 50°Fs to the low 70°Fs. Maximum sustained winds ranged from 0-29 miles per hour. Average humidity was around 56% with 0.51 inches of precipitation (rain) was recorded during testing period.

### **Results:**

The sampling locations and analytical results are listed on Table 1 (Attachment B). The quality control sample locations and analytical results are listed on Table 2 (Attachment B). Sampling locations and associated test kit identification numbers and relevant field observations are listed on Table 3 (Attachment B). The laboratory analytical results are included in Attachment C. Laboratory results and exposure data for the spike samples are also included in Attachment C.

The results of the radon test analysis indicated the following:

Radon Concentration	Room	Result
≥4.0 pCi/L	None	N/A
<4.0 pCi/L	See Attachment B	

Quality Control Samples	
Results of Blank Canisters:	The office blanks, and lab transit blanks had test results of less than the laboratory detection limit of 0.3 pCi/L.
Adequate Laboratory Precision?	Review of the duplicate sample analysis indicates that adequate laboratory measurement precision was achieved.
Spike Sample Analysis:	The Spike Sample analysis results indicate the laboratory is operating within statistical control limits.

Our professional services have been performed in accordance with customary principles and practices in the field of industrial hygiene and engineering. If you have any questions or comments regarding this report, please feel free to contact me at (410) 891-1769.

Sincerely,



Tyler P. McCleaf  
Radon Measurement Provider  
#111004 RT  
KCI Technologies, Inc.

Attachments:   A- Floor Plan with Test Locations  
                  B- Table 1-3, Radon Test Summary Spreadsheets  
                  C- Laboratory Analytical Results

# ATTACHMENT A

## Floor Plan With Test Locations

# ATTACHMENT B

## Radon Test Summary Spreadsheet

**Table Notes:**

AC- Activated Charcoal

ACI- Air Check, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank

PM- Project Manager

OC- Quality Control

Table 1- Radon Testing Results		
Rosa Parks MS RT		
Test Period: 03/21/2022 - 03/24/2022		
Kit Number	Room / Area	Result
11139177	A105	0.8
11139178	C105 OFFICE	< 0.3
11139187	C108 OFFICE	< 0.3
11139192	MAIN OFFICE	< 0.3
11139176	STO B114	< 0.3
11139184	STO B114	< 0.3
11139188	STO B114	< 0.3



Table 2- Radon Testing Results			
Rosa Parks MS RT			
Test Period: 03/21/2022 - 03/24/2022			
Kit Number	QC Type	Room / Area	Result
11139188	D	Sto b114	< 0.3
11139176	FB	Sto b 114	< 0.3
11139902	OB	OFFICE BLANK	< 0.3
11139928	TB	TRAVEL BLANK	< 0.3



# ATTACHMENT C

## Laboratory Analytical Results

March 28, 2022

**\*\* LABORATORY ANALYSIS REPORT \*\***

Radon test result report for:  
**ROSA PARKS MS RT  
MAIN**

<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
11139177	A105	2022-03-21 @ 11:00 am	2022-03-24 @ 8:00 am	0.8 ± 0.3	2022-03-28
11139178	C105 OFFICE	2022-03-21 @ 11:00 am	2022-03-24 @ 8:00 am	< 0.3	2022-03-28
11139187	C108 OFFICE	2022-03-21 @ 11:00 am	2022-03-24 @ 8:00 am	< 0.3	2022-03-28
11139192	MAIN OFFICE	2022-03-21 @ 11:00 am	2022-03-24 @ 8:00 am	< 0.3	2022-03-28
11139176	STO B114	2022-03-21 @ 11:00 am	2022-03-24 @ 8:00 am	< 0.3	2022-03-28
11139184	STO B114	2022-03-21 @ 11:00 am	2022-03-24 @ 8:00 am	< 0.3	2022-03-28
11139188	STO B114	2022-03-21 @ 11:00 am	2022-03-24 @ 8:00 am	< 0.3	2022-03-28

Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

# EXPOSURE IN BOWSER-MORNER RADON CHAMBER

CLIENT KCI Technologies, Inc. Job Number 204620

NOMINAL Conditions: Radon Conc 27.0 pCi/L Rel. Hum 50.1 % Temp. 70.0 F

Date Start: 3/18/22 Date Stop: 3/21/22 Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: 0705 Time Stop: 0705 Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: (5) Char Bags - Device No.'s: \_\_\_\_\_

11139367, 11139368, 11139371, \_\_\_\_\_

11139710, 11139717 \_\_\_\_\_

E3 Right

Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_ Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_ Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: \_\_\_\_\_ Device No.'s: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_ Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_ Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: \_\_\_\_\_ Device No.'s: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Note: All times are in 24-hour (military) notation, Eastern Standard Time (EST)  
Background = 7  $\mu$ R/h Elevation = 820 ft

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March 30, 2022

**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:

MCPS - Spike Sample Lab Results. Measured values are satisfactory, i.e., within  $\pm 25\%$  of the chamber's reference value (25.7 pCi/L).

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<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
11139367	SK1	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	25.9 $\pm$ 2.1	2022-03-30
11139368	SK2	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	23.9 $\pm$ 2.0	2022-03-30
11139371	SK3	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	25.7 $\pm$ 2.1	2022-03-30
11139710	SK4	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	26.4 $\pm$ 2.1	2022-03-30
11139717	SK5	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	24.6 $\pm$ 2.0	2022-03-30

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Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498



## Radon Test Kit Chain of Custody

Project Name: MCPS Radon – March 2022 Schools – Retesting

Name of Schools:

1. Rosa Parks MS
2. Poolesville ES
3. Wyngate ES
4. Seven Locks ES
5. Walt Whitman HS
6. Somerset ES
7. Rock Creek Forest ES
8. Walter Johnson HS
9. Westbrook ES
10. Westland MS
11. Farmland ES
12. College Gardens ES
13. Julius West MS
14. Robert Frost MS
15. Carl Sandburg Learning Center

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	Date	Initials
Radon Test Kits Deployed	03/21/2022	BMM
Radon Test Kits Collected	03/24/2022	BMM
Radon Test Kits Shipped to Lab*	03/25/2022	BMM
Radon Test Kits Received by Lab*	03/28/2022	BMM

\*All samples sent to Air Check, Inc., 1936 Butler Bridge Rd, Mills River, NC 28759



**MCPS RADON TESTING – EXECUTIVE SUMMARY**

Site Name	Rosa Parks Middle School
Date of Test Report	2/21/2022
Round of Testing	Initial Follow-up Post Remediation 2 Year Testing 5 Year Testing HVAC Upgrade Window Replacement New Addition New Facility
# Rooms Tested	68
# Rooms $\geq$ 4.0 pCi/L	0
Lowest Value	<0.3 pCi/L
Highest Value	0.8 pCi/L

Project Status:

Initial testing completed; Missing or compromised samples need re-sampling





February 21, 2022

Brian T. Croyle, PG, CHMM  
Environmental Specialist  
Montgomery County Public Schools  
Gaithersburg, MD 20879

Re: **Radon Testing Services**  
KCI Job # 122108316

Location: Rosa Parks Middle School  
19200 Olney Mill Rd.  
Olney, MD 20832

Dear Mr. Croyle:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to Montgomery County Public Schools (MCPS) pursuant to completing a “short-term” 3 day radon test for the Rosa Parks Middle School, located at 19200 Olney Mill Rd. Olney, MD 20832 (subject site).

**Scope of Services:**

KCI conducted radon testing at the subject site to evaluate indoor radon levels relative to the USEPA's recommended action level of 4.0 picocuries per Liter (pCi/L) - the level at which EPA recommends that schools take action to reduce the level. KCI conducted the radon testing in accordance with American Association of Radon Scientists and Technologists (AARST) *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*. A National Radon Proficiency Program (NRPP) Radon Measurement Specialist (certification #111004 RT) supervised the testing. Additional information on radon management and the health effects of radon exposure is available from <https://www.montgomeryschoolsmd.org> or [www.epa.gov/radon](http://www.epa.gov/radon).

KCI visited the site on January 18, 2022 and deployed eighty one (81) activated charcoal (AC) radon test kits. KCI deployed radon test kits in all frequently-occupied ground contact rooms, and other areas, (if applicable) in accordance with AARST guidance.

A floor plan map of the building with the test locations is included as Attachment A of this report.

As a quality control measure, KCI also included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted test kits to Bowser-Morner, Inc. as spike samples. The spiked tests were exposed to a known radon concentration by Bowser-Morner prior to being returned to the laboratory for analysis.

KCI returned to the site on January 21, 2022 to retrieve the radon sampling test kits. KCI shipped all radon tests via overnight delivery to Airchek, Inc. for analysis by gamma-ray spectroscopy. Airchek, Inc.

is a NRSB certified analytical laboratory for radon analysis (certification # ARL1402) located at 1936 Butler Bridge Road, Mills River, North Carolina.

**Evaluation of Testing Conditions:**

These tests represent:

- Follow-up to post-mitigation biennial testing.

These tests were conducted to:

- Confirm the success of the mitigation system(s).

According to AARST, *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*, ideal testing conditions would be when the building is fully occupied and the heating system is active. For this test, the facility’s HVAC system was operating in heating mode; therefore, KCI concludes that this test was conducted during ideal testing conditions.

KCI recorded observations of the following conditions in each room during the time of deployment and collection of the radon test kits:

- Indoor temperature,
- HVAC Operation,
- Dehumidifier operation,
- Humidifier operation,
- Ceiling fan operation, and
- Open windows or doors.

KCI also compiled weather data for the testing period and conducted observations of relevant field conditions. During the test period, weather records indicate low temperatures were in the 30s and high temperatures ranged from the mid 30s to the mid 40s Fahrenheit. Maximum sustained winds ranged from 7-20 miles per hour. Average humidity was around 50% with .05 inches of precipitation (rain) was recorded during testing period.

**Results:**

The sampling locations and analytical results are listed on Table 1 (Attachment B). The quality control sample locations and analytical results are listed on Table 2 (Attachment B). Sampling locations and associated test kit identification numbers and relevant field observations are listed on Table 3 (Attachment B). The laboratory analytical results are included in Attachment C. Laboratory results and exposure data for the spike samples are also included in Attachment C.

The results of the radon test analysis indicated the following:

<b>Radon Concentration</b>	<b>Room</b>	<b>Result</b>
≥4.0 pCi/L	None	N/A
<4.0 pCi/L	See Attachment B	

Quality Control Samples	
Results of Blank Canisters:	The office blanks, and lab transit blanks had test results of less than the laboratory detection limit of 0.3 pCi/L.
Adequate Laboratory Precision?	Review of the duplicate sample analysis indicates that adequate laboratory measurement precision was achieved.
Spike Sample Analysis:	The Spike Sample analysis results indicate the laboratory is operating within statistical control limits.

Our professional services have been performed in accordance with customary principles and practices in the field of industrial hygiene and engineering. If you have any questions or comments regarding this report, please feel free to contact me at (410) 891-1769.

Sincerely,



Tyler P. McCleaf  
Radon Measurement Provider  
#111004 RT  
KCI Technologies, Inc.

Attachments:     A- Floor Plan with Test Locations  
                      B- Table 1-3, Radon Test Summary Spreadsheets  
                      C- Laboratory Analytical Results

# ATTACHMENT A

## Floor Plan With Test Locations

# ATTACHMENT B

## Radon Test Summary Spreadsheet

**Table Notes:**

AC- Activated Charcoal

ACI- Air Check, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank

PM- Project Manager

OC- Quality Control

Table 1- Radon Testing Results		
Rosa Parks MS		
Test Period: 01/18/2022-01/21/2022		
Kit Number	Room / Area	Result
11106007	A 104	< 0.3
11106005	A102	< 0.3
11106094	A102 OFFICE	< 0.3
11106013	A103	< 0.3
11106018	A104	< 0.3
11106001	A105	< 0.3
11106003	A105	< 0.3
11106012	A105	< 0.3
11106054	A105A	< 0.3
11106071	A105B	< 0.3
11106037	A107	< 0.3
11106067	A107	< 0.3
11106045	A108	< 0.3
11106058	A109	< 0.3
11106065	A110	0.6
11106068	A110	< 0.3
11106072	A110	< 0.3
11106075	A116	< 0.3
11106077	A116	< 0.3
11106078	A116	< 0.3
11106076	A135	< 0.3
11106073	ASSISTANT PRINCIPAL	< 0.3
11106080	ASSISTANT PRINCIPAL 1	< 0.3
11106044	B101	< 0.3
11106036	B102	< 0.3
11106040	B103	< 0.3
11106043	B103	< 0.3
11106035	B104	< 0.3
11106034	B106	< 0.3
11106028	B108	< 0.3
11106042	B109	< 0.3
11106041	B110	0.6
11106047	B111	< 0.3
11106048	B112	< 0.3
11106056	B113	< 0.3
11106051	B114	< 0.3
11106049	B116	< 0.3
11106050	B116	< 0.3
11106052	B118	< 0.3
11106063	B120	< 0.3
11106059	B204	< 0.3
11106027	B211	< 0.3

Table 1- Radon Testing Results		
Rosa Parks MS		
Test Period: 01/18/2022-01/21/2022		
Kit Number	Room / Area	Result
11106060	B221	< 0.3
11106009	BLR	< 0.3
11106053	C101	< 0.3
11106046	C102	0.6
11106055	C103	< 0.3
11106062	C103	< 0.3
11106039	C104	< 0.3
11106021	C105	< 0.3
11106019	C106	< 0.3
11106022	C106	< 0.3
11106025	C106	< 0.3
11106015	C106 OFFICE 1	< 0.3
11106016	C106 OFFICE 2	< 0.3
11106017	C107	< 0.3
11106038	C108	0.8
11106023	C109	< 0.3
11106024	C109 OFFICE	< 0.3
11106031	C111	< 0.3
11106069	C206	< 0.3
11106070	C216	< 0.3
11106026	COPY ROOM	< 0.3
11106083	FRONT OFFICE	< 0.3
11106006	GLR	< 0.3
11106064	GUIDANCE	< 0.3
11106074	IMC	< 0.3
11106029	IMC 1	< 0.3
11106020	KITCHEN OFFICE	< 0.3
11106004	MU	< 0.3
11106084	NURSES OFFICE	< 0.3
11106092	NURSES OFFICE	< 0.3
11106082	NURSES OFFICE 1	< 0.3
11106093	NURSES OFFICE 1	< 0.3
11106002	OFFICE	NA
11106014	PE	< 0.3
11106010	PE 1	< 0.3
11106079	PRINCIPAL OFFICE	< 0.3
11106066	PRINCIPLE CONFERENCE	< 0.3
11106030	SECRETARY OFFICE	< 0.3
11106032	WIRE CR	< 0.3



Table 2- Radon Testing Results			
Rosa Parks MS			
Test Period: 01/18/22-01/21/22			
Kit Number	QC Type	Room / Area	Result
11106003	D	A105	< 0.3
11106025	D	C106	< 0.3
11106019	FB	C106	< 0.3
11106055	D	C103	< 0.3
11106040	D	B103	< 0.3
11106033	FB	B103	< 0.3
11106077	D	A116	< 0.3
11106075	FB	A116	< 0.3
11106072	D	A110	< 0.3
11106092	D	Nurses office 1	< 0.3
11106397	OB	OFFICE BLANK	< 0.3
11106400	FB	TRAVEL BLANK	< 0.3



# ATTACHMENT C

## Laboratory Analytical Results

Radon test result report for:**ROSA PARKS MS****1**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11106007	A 104	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106005	A102	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106094	A102 OFFICE	2022-01-18 @ 11:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106013	A103	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106018	A104	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106012	A105	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106001	A105	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106003	A105	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106054	A105A	2022-01-18 @ 9:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106071	A105B	2022-01-18 @ 10:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106037	A107	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106067	A107	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106045	A108	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106058	A109	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106072	A110	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106065	A110	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	0.6 ± 0.4	2022-01-26
11106068	A110	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106075	A116	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106078	A116	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106077	A116	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106076	A135	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106073	ASSISTANT PRINCIPAL	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106080	ASSISTANT PRINCIPAL 1	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106044	B101	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106036	B102	2022-01-18 @ 9:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106043	B103	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106040	B103	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106035	B104	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106034	B106	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106028	B108	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106042	B109	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106041	B110	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	0.6 ± 0.4	2022-01-26
11106047	B111	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106048	B112	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106056	B113	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106051	B114	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106050	B116	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26

Radon test result report for:**ROSA PARKS MS****1**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11106049	B116	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106052	B118	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106063	B120	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106059	B204	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106027	B211	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106060	B221	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106009	BLR	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106053	C101	2022-01-18 @ 9:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106046	C102	2022-01-18 @ 9:00 am	2022-01-21 @ 9:00 am	0.6 ± 0.4	2022-01-26
11106055	C103	2022-01-18 @ 9:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106062	C103	2022-01-18 @ 9:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106039	C104	2022-01-18 @ 9:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106021	C105	2022-01-18 @ 8:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106022	C106	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106019	C106	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106025	C106	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106015	C106 OFFICE 1	2022-01-18 @ 9:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106016	C106 OFFICE 2	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106017	C107	2022-01-18 @ 8:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106038	C108	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	0.8 ± 0.4	2022-01-26
11106023	C109	2022-01-18 @ 8:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106024	C109 OFFICE	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106031	C111	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106069	C206	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106070	C216	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106026	COPY ROOM	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106083	FRONT OFFICE	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106006	GLR	2022-01-18 @ 8:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106064	GUIDANCE	2022-01-18 @ 10:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106074	IMC	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106029	IMC 1	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106020	KITCHEN OFFICE	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106004	MU	2022-01-18 @ 7:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106084	NURSES OFFICE	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106092	NURSES OFFICE	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106093	NURSES OFFICE 1	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106082	NURSES OFFICE 1	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26

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January 27, 2022

**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:

**ROSA PARKS MS**

**1**

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<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
11106002	OFFICE	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	???? IF1	2022-01-26
11106014	PE	2022-01-18 @ 8:00 am	2022-01-21 @ 7:00 am	< 0.3	2022-01-26
11106010	PE 1	2022-01-18 @ 8:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26
11106079	PRINCIPAL OFFICE	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106066	PRINCIPLE CONFERENCE	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106030	SECRETARY OFFICE	2022-01-18 @ 11:00 am	2022-01-21 @ 9:00 am	< 0.3	2022-01-26
11106032	WIRE CR	2022-01-18 @ 9:00 am	2022-01-21 @ 8:00 am	< 0.3	2022-01-26

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Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

**P4792 / WILLIAM LYMAN**

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<b>Kit Number</b>	<b>Start Date</b>	<b>Start Time</b>	<b>End Date</b>	<b>End Time</b>	<b>Temp.</b>	<b>Facility</b>	<b>Building</b>	<b>Room</b>	<b>Project ID</b>	<b>Floor</b>	<b>Result</b>
11106033	2022-01-18	9:00 am	2022-01-21	8:00 am	71	ROSA PARKS MS	MAIN	C106		1	< 0.3

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**EXPOSURE IN BOWSER-MORNER RADON CHAMBER**

CLIENT KCI Technologies, Inc. Job Number 203404

NOMINAL Conditions: Radon Conc 16.2 pCi/L Rel. Hum 28.8 % Temp. 59.9 F

Date Start: 12/24/21 Date Stop: 12/27/21 Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: 0809 Time Stop: 0809 Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: (2) Char Bags- Device No.'s: \_\_\_\_\_

9341721, 9341722

G4 left

Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_ Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_ Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: \_\_\_\_\_ Device No.'s: \_\_\_\_\_

Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_ Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_ Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: \_\_\_\_\_ Device No.'s: \_\_\_\_\_

**Note: All times are in 24-hour (military) notation, Eastern Standard Time (EST)  
Background = 7  $\mu$ R/h Elevation = 820 ft**



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December 31, 2021

**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:

**SK**  
**MA** MCPS - Spike Sample Lab Results. Measured values are satisfactory, i.e., within  $\pm 25\%$  of the chamber's reference value (16.2 pCi/L).

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<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
9341721	1	2021-12-24 @ 8:00 am	2021-12-27 @ 8:00 am	11.6 $\pm$ 0.9	2021-12-31
9341722	1	2021-12-24 @ 8:00 am	2021-12-27 @ 8:00 am	15.4 $\pm$ 1.2	2021-12-31

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## Radon Test Kit Chain of Custody

Project Name: MCPS Radon – January 2022 Schools

Name of Schools:

1. Poolesville ES
2. Rosa Parks MS
3. Seven Locks ES
4. Somerset ES
5. Thomas Pyle MS
6. Walt Whitman HS
7. Walter Johnson HS
8. Westland MS
9. Wyngate ES

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	Date	Initials
Radon Test Kits Deployed	01/18/2022	JM
Radon Test Kits Collected	01/21/2022	JM
Radon Test Kits Shipped to Lab*	01/21/2022	JM
Radon Test Kits Received by Lab*	01/23/2022	JM

\*All samples sent to Air Check, Inc., 1936 Butler Bridge Rd, Mills River, NC 28759