

# Montgomery County Public Schools Lead in Drinking Water Testing Report

Rosemary Hills Elementary School  
2111 Porter Road  
Silver Spring, MD 20910

Report Date: February 23<sup>rd</sup>, 2022

## LEAD IN DRINKING WATER SAMPLE RESULTS SUMMARY

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations (COMAR). Montgomery County Public Schools (MCPS) is required to remediate outlets where lead in drinking water concentrations exceed the Montgomery County Action Level (AL) of 5 parts per billion (ppb). A summary of the lead in water initial samples collected by SaLUT are presented in the table below.

Sampling Date	10/20/2021
# of Outlets Tested	66
# of Outlets $\geq$ 5 ppb	10

## NEXT STEPS

If an initial sample exceeds the AL (5 ppb), the outlet will be immediately shut-down, a follow-up sample collected, and a remedial plan of action developed for this outlet. No additional sampling or remedial actions are required for schools where all initial samples are below the AL.

## HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

## **SOURCES OF HUMAN EXPOSURE TO LEAD**

There are many different sources of human exposure to lead. These include: lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass fixtures, food, cosmetics, exposure in the work place and from certain hobbies. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead-containing water this may increase to 40 to 60 percent.

## **TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:**

1. Run your water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

*\*Please note that boiling the water will not reduce lead levels.*

## **ADDITIONAL INFORMATION**

1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or [brian\\_a\\_mullikin@mcpsmd.org](mailto:brian_a_mullikin@mcpsmd.org).
2. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at [www.epa.gov/lead](http://www.epa.gov/lead).
3. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

*Please refer to the attachment(s) for additional water sampling information.*

**Attachment(s)** A – Lead in Water Sample Results Table

**ATTACHMENT A**

**Lead in Water Sample Results Table**

## Sampling Results for Rosemary Hills ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW04261	In all purpose room	Teacher's Lounge Sink	3.3	Pass	N/A	Testing Complete
LW04262	In all purpose room stage	Teacher's Lounge Sink	3.1	Pass	N/A	Testing Complete
LW04212	In art 301	Teacher's Lounge Sink	1.2	Pass	N/A	Testing Complete
LW04214	In art 301	Teacher's Lounge Sink	2.9	Pass	N/A	Testing Complete
LW04215	In art 301	Classroom Combination Drinking Fountain	4.0	Pass	N/A	Testing Complete
LW04210	In art 301	Teacher's Lounge Sink	4.8	Pass	N/A	Testing Complete
LW04272	In classroom 116	Classroom Combination Sink	6.1	Fail	<1	Testing Complete
LW04267	In classroom 117	Teacher's Lounge Sink	3.0	Pass	N/A	Testing Complete
LW04198	In classroom 156	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M33275	In classroom 156	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04199	In classroom 160	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M33290	In classroom 160	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04201	In classroom 161	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M33276	In classroom 161	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04200	In classroom 165	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
M33277	In classroom 165	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04255	In classroom 213	Teacher's Lounge Sink	4.5	Pass	N/A	Testing Complete
LW04252	In classroom 216	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04251	In classroom 216	Teacher's Lounge Sink	1.8	Pass	N/A	Testing Complete
LW04205	In classroom 256	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04204	In classroom 259B	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M33291	In classroom 259B	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04206	In classroom 260	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04208	In classroom 261	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04207	In classroom 265	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04209	In classroom 300	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04216	In classroom 302	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04218	In classroom 304	Teacher's Lounge Sink	1.8	Pass	N/A	Testing Complete
LW04224	In classroom 306	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04246	In classroom 315	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete

LW04244	In classroom 317	Teacher's Lounge Sink	2.1	Pass	N/A	Testing Complete
LW04245	In classroom 317	Classroom Combination Sink	6.9	Fail	Device Removed	Testing Complete
LW04235	In classroom 318	Teacher's Lounge Sink	547	Fail	<1	Testing Complete
LW04243	In classroom 319	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW04221	In classroom 400	Bubbler - Indoor	3.0	Pass	N/A	Testing Complete
LW04220	In classroom 400	Teacher's Lounge Sink	3.1	Pass	N/A	Testing Complete
LW04222	In classroom 401	Teacher's Lounge Sink	2.4	Pass	N/A	Testing Complete
LW04239	In classroom 402	Classroom Combination Drinking Fountain	1.7	Pass	N/A	Testing Complete
LW04238	In classroom 402	Teacher's Lounge Sink	8.1	Fail	<1	Testing Complete
LW04240	In classroom 403	Classroom Combination Sink	9.1	Fail	<1	Testing Complete
LW04202	In hallway across from 257	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04203	In hallway across from 257	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04264	In hallway adjacent to 111	Bottle Filler	<1	Pass	N/A	Testing Complete
LW04232	In hallway next to 309	Bottle Filler	<1	Pass	N/A	Testing Complete
LW04257	In health room 201	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW04183	In kindergarten 100	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04189	In kindergarten 102	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04249	In kindergarten 214	Teacher's Lounge Sink	2.3	Pass	N/A	Testing Complete
LW04253	In kindergarten 215	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04228	In kindergarten 307	Teacher's Lounge Sink	294	Fail	1.6	Testing Complete
LW04231	In kindergarten 309	Bubbler - Indoor	1.1	Pass	N/A	Testing Complete
LW04230	In kindergarten 309	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
LW04273	In music 116	Classroom Combination Drinking Fountain	2.0	Pass	N/A	Testing Complete
LW04266	In reading 115	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M33269	In reading 115	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04274	In reading 252	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M33280	In reading 252	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW04269	In special ed 118	Teacher's Lounge Sink	10.9	Fail	1.7	Testing Complete
LW04196	In special ed 153D	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04197	In speech therapy 153C	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04259	In work room by office 202	Teacher's Lounge Sink	1.2	Pass	N/A	Testing Complete
LW04260	In work room by office 202	Classroom Combination Drinking Fountain	6.5	Fail	<1	Testing Complete
LW04192	Kitchen	Kitchen Sink	2.3	Pass	N/A	Testing Complete

LW04194	Kitchen	Kitchen Sink	2.7	Pass	N/A	Testing Complete
LW04195	Kitchen	Kitchen Sink	6.3	Fail	<1	Testing Complete
LW04193	Kitchen	Kitchen Sink	9.1	Fail	1.3	Testing Complete



## Montgomery County Public Schools Lead in Drinking Water Testing 2018

June 21, 2018

### Executive Summary:

#### Rosemary Hills Elementary School

2111 Porter Road

Silver Spring, Maryland 20910

Round of Testing:	Initial
# of Outlets Tested:	95
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	18.3

### Project Status:

**Testing Complete: All results less than 20 ppb.**



June 21, 2018

Mr. Brian Mullikin, MS  
Environmental Team Leader  
Montgomery County Public Schools  
Division of Maintenance  
Gaithersburg, Maryland 20879

Re: Drinking Water Testing

KCI Job #1214634193

**Location: Rosemary Hills Elementary School**

2111 Porter Road  
Silver Spring, Maryland 20910

Dear Mr. Mullikin:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of Initial lead in water testing at Rosemary Hills Elementary School, located at 2111 Porter Road in Silver Spring, Maryland 20910.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Rosemary Hills Elementary School in accordance with the Environmental Protection Agency (EPA) and Maryland House Bill (HB) 270. State regulation established an action level of 20 parts per billion (ppb) to evaluate lead levels in school buildings, a concentration EPA recommends that schools take action to reduce lead below this action level. Maryland requires periodic testing for the presence of lead in drinking water in occupied public and nonpublic school buildings. EPA developed the 3T's (Training, Testing, and Telling) to assist schools in reducing the lead concentrations in their drinking water. More information about 3T's can be found on the EPA website.

KCI visited the site on 5/2/2018 and 5/3/2018 to collect samples from 95 drinking water outlets in accordance with current criteria described by the Maryland Department of the Environment (MDE) Draft Lead in Drinking Water - Public and Nonpublic Schools, Title 26, Subtitle 16 Lead, Chapter 07.

Samples were submitted to a laboratory for lead in water analysis using current US EPA methodology. The laboratory has been certified by the Maryland Department of the Environment to analyze drinking water for lead.



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## **RESULTS**

There are no results of the lead in water analysis at or above 20 parts per billion (ppb). The lead in water sample results for sample collection date 5/3/2018 are shown in Attachment A.

## **DISCUSSION**

Lead is a naturally occurring element that can be harmful to humans when ingested or inhaled, particularly to children under the age of six. Lead can adversely affect the development of children's brain potentially leading to detrimental alterations in intelligence and behavior. Lead has been historically used in plumbing, paint and other building materials. Lead is released into the environment from industrial sources and fuel combustion. Lead may also be found in consumer products (imported candy, medicines, toys, dishes, etc.).

Most lead leaches into drinking water from contact with plumbing components such as faucets and valves made of brass or lead-containing solder. The physical and chemical interaction that occurs between the plumbing and water directly contributes to the amount of lead that is released into the water. Although plumbing components installed prior to the 1990's could contain more lead than newer materials, the amount of lead in the drinking water cannot be predicted by the age of building. The purpose of this regulation is to establish a program to minimize the risk of exposure to lead in drinking water outlets at schools.

Simple steps like keeping your home clean and well-maintained will go a long way in preventing lead exposure. These steps include inspecting and maintaining all painted surfaces to prevent paint deterioration, using only cold water to prepare food and drinks, flushing water outlets used for drinking or food preparation, and cleaning around painted areas where friction can generate dust, such as doors, windows, and drawers. Wipe these areas with a wet sponge or rag to remove paint chips or dust, and wash children's hands, bottles, pacifiers and toys often.

Respectfully Submitted,  
KCI Technologies, Inc.



Kamau McAbee  
MDE Certified Water Sampler #8281KM

Attachment:

A- Lead in Water Test Summary Table

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# ATTACHMENT A

## Lead in Water Test Summary Table

ATTACHMENT A

Lead in Water Test Summary Table

**Contractor:** KCI Technologies, Inc.

**Certified Laboratory:** Microbac Laboratories, Inc.

Sample Results for Rosemary Hills Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04183	100	Kindergarten		Faucet	1.4	Pass	Testing Complete
LW04184	100	Kindergarten		Bubbler - Indoor	1.2	Pass	Testing Complete
LW04185	101	Kindergarten		Faucet	3.1	Pass	Testing Complete
LW04186	101	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04187	103	Kindergarten		Faucet	2.2	Pass	Testing Complete
LW04188	103	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04189	102	Kindergarten		Faucet	1.4	Pass	Testing Complete
LW04190	102	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04191	104	Break Room		Faucet	1.1	Pass	Testing Complete
LW04192	109	Kitchen		Faucet	5.4	Pass	Testing Complete
LW04193	109	Kitchen		Faucet	9.5	Pass	Testing Complete
LW04194	109	Kitchen		Faucet	5.6	Pass	Testing Complete
LW04195	109	Kitchen		Faucet	12.3	Pass	Testing Complete
LW04196	153D	Special Ed		Faucet	<1.0	Pass	Testing Complete
LW04197	153C	Speech Therapy		Faucet	2.6	Pass	Testing Complete
LW04198	156	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04199	160	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04200	165	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04201	161	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04202		Hallway	Across From 257	Cooler	<1.0	Pass	Testing Complete
LW04203		Hallway	Across From 257	Cooler	<1.0	Pass	Testing Complete
LW04204	259B	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04205	256	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04206	260	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04207	265	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04208	261	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04209	300	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04210	301	Art		Faucet	<1.0	Pass	Testing Complete
LW04211	301	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04212	301	Art		Faucet	1.4	Pass	Testing Complete
LW04213	301	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04214	301	Art		Faucet	3.3	Pass	Testing Complete
LW04215	301	Art		Bubbler - Indoor	18.3	Pass	Testing Complete
LW04216	302	Classroom		Faucet	1.4	Pass	Testing Complete
LW04217	302	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
LW04218	304	Classroom		Faucet	1.9	Pass	Testing Complete
LW04219	304	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04220	400	Classroom		Faucet	1.6	Pass	Testing Complete
LW04221	400	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04222	401	Classroom		Faucet	2.0	Pass	Testing Complete
LW04223	401	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04224	306	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04226		Hallway	Across From 310	Cooler	<1.0	Pass	Testing Complete
LW04227	310	Work Room		Faucet	4.4	Pass	Testing Complete
LW04228	307	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW04229	307	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04232		Hallway	Next To 309	Cooler	<1.0	Pass	Testing Complete
LW04233		Hallway	Next To 309	Cooler	<1.0	Pass	Testing Complete
LW04235	318	Classroom		Faucet	3.2	Pass	Testing Complete
LW04238	402	Classroom		Faucet	1.4	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04239	402	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
LW04240	403	Classroom		Faucet	4.1	Pass	Testing Complete
LW04241	403	Classroom		Bubbler - Indoor	1.6	Pass	Testing Complete
LW04242	319	Classroom		Faucet	5.4	Pass	Testing Complete
LW04243	319	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW04244	317	Classroom		Faucet	2.6	Pass	Testing Complete
LW04245	317	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04246	315	Classroom		Faucet	2.4	Pass	Testing Complete
LW04248		Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
LW04249	214	Kindergarten		Faucet	2.6	Pass	Testing Complete
LW04250	214	Kindergarten		Bubbler - Indoor	2.3	Pass	Testing Complete
LW04251	216	Classroom		Faucet	1.5	Pass	Testing Complete
LW04252	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04253	215	Kindergarten		Faucet	1.5	Pass	Testing Complete
LW04254	215	Kindergarten		Bubbler - Indoor	5.1	Pass	Testing Complete
LW04255	213	Classroom		Faucet	2.1	Pass	Testing Complete
LW04256	213	Classroom		Bubbler - Indoor	2.5	Pass	Testing Complete
LW04257	201	Health Room		Faucet	2.7	Pass	Testing Complete
LW04259		Work Room Office	Inside Of	Faucet	1.7	Pass	Testing Complete
LW04260		Work Room Office	Inside Of	Bubbler - Indoor	2.7	Pass	Testing Complete
LW04261		All Purpose Room		Faucet	<1.0	Pass	Testing Complete
LW04262		All Purpose Room	Stage	Faucet	2.3	Pass	Testing Complete
LW04263		Hallway	Across From All Purpose Rm	Cooler	<1.0	Pass	Testing Complete
LW04264		Hallway	Between 110 And 112	Cooler	<1.0	Pass	Testing Complete
LW04265		Hallway	Across From All Purpose Rm	Cooler	<1.0	Pass	Testing Complete
LW04266	115	Reading		Faucet	<1.0	Pass	Testing Complete
LW04267	117	Classroom		Faucet	2.1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04268	117	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04269	118	Special Ed		Faucet	4.5	Pass	Testing Complete
LW04270	118	Special Ed		Bubbler - Indoor	3.1	Pass	Testing Complete
LW04272	116	Music		Faucet	6.1	Pass	Testing Complete
LW04274	252	Reading		Faucet	<1.0	Pass	Testing Complete
M33269	115	Reading		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33273	153D	Special Ed		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33274	153C	Speech Therapy		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33275	156	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33276	161	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33277	165	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33280	252	Reading		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33286	256	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33287	260	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33288	261	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33289	265	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33290	160	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M33291	259B	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

\*PPB = parts per billion