

# Montgomery County Public Schools Lead in Drinking Water Testing Report

**Burnt Mills Elementary School  
415 Prelude Drive  
Silver Spring, MD 20901**

**Report Date: June 12<sup>th</sup>, 2024**

## **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 State Action Level (AL) of 5 parts per billion (ppb). A summary of the lead in water initial samples collected by Inspection Experts Inc. is presented in the table below.

Sampling Date	4/19/2024
# of Outlets Tested	21
# of Outlets $\geq$ 5 ppb	0

## **NEXT STEPS**

If an initial sample exceeds the AL (5 ppb), the outlet will be shut-down within 24 hours, 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 outlets, 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 Burnt Mills ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M00010	In workroom	Faucet, Cold	<2.0	Pass	Testing Complete
LW09581	In health room	Faucet, Cold	<2.0	Pass	Testing Complete
LW13126	In health room	Faucet, Cold	<2.0	Pass	Testing Complete
LW09582	In health room	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
M00011	In hallway adjacent to administration	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M00027	In hallway adjacent to IMC	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M00044	In hallway adjacent to media center	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M00088	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
M00089	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
M00090	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW13400	In Hallway A CR132	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW13401	In Hallway A CR132	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13402	In Hallway A CR132	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13403	In CAF	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW13404	in Kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW13405	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW13409	in Hallway A GYM	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13410	in Hallway A GYM	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13415	Hallway Next to BS	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW13416	Hallway Next to BS	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13279	In hallway A 226	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete

# Montgomery County Public Schools Lead in Drinking Water Testing Report

**Burnt Mills Elementary School  
11211 Childs Street  
Silver Spring, MD 20901**

**Report Date: March 9<sup>th</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	11/04/2021
# of Outlets Tested	34
# of Outlets $\geq$ 5 ppb	8

## 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.

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## **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).
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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 Burnt Mills ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW09517	In classroom 13	Classroom Combination Sink	2.5	Pass	N/A	Testing Complete
LW09519	In classroom 14	Classroom Combination Sink	7.3	Fail	Closed for Renovation	Testing Complete
LW09521	In classroom 15	Classroom Combination Sink	5.9	Fail	Closed for Renovation	Testing Complete
LW09523	In classroom 16	Classroom Combination Sink	3.2	Pass	N/A	Testing Complete
LW09525	In classroom 17	Classroom Combination Sink	4.1	Pass	N/A	Testing Complete
LW09527	In daycare adjacent to gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW09528	In classroom 18	Classroom Combination Sink	5.5	Fail	Closed for Renovation	Testing Complete
LW09530	In classroom 19	Classroom Combination Sink	8.4	Fail	Closed for Renovation	Testing Complete
LW09532	In team room	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW09535	In classroom 7	Classroom Sink	3.9	Pass	N/A	Testing Complete
LW09536	In classroom 9	Classroom Sink	2.5	Pass	N/A	Testing Complete
LW09538	In classroom 10	Classroom Combination Sink	6.8	Fail	Closed for Renovation	Testing Complete
LW09540	In classroom 8	Classroom Combination Sink	6.0	Fail	Closed for Renovation	Testing Complete
LW09542	In classroom 6	Classroom Combination Sink	1.8	Pass	N/A	Testing Complete
LW09545	In classroom 1	Classroom Combination Sink	2.3	Pass	N/A	Testing Complete
LW09546	In classroom 3	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
LW09547	In classroom 3	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW09548	In classroom 5	Classroom Combination Sink	3.1	Pass	N/A	Testing Complete
LW09550	In classroom 4	Classroom Combination Sink	6.4	Fail	Closed for Renovation	Testing Complete
LW09552	In classroom 2	Classroom Combination Sink	2.5	Pass	N/A	Testing Complete
LW09581	In health room	Nurses Office Sink	1.7	Pass	N/A	Testing Complete
LW09582	In health room	Classroom Combination Drinking Fountain	4.3	Pass	N/A	Testing Complete
LW09586	In hallway adjacent to A123	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW09587	In music classroom	Classroom Sink	3.6	Pass	N/A	Testing Complete
LW09591	In classroom 11	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW09593	In classroom 12	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
M00005	In classroom K21	Classroom Combination Sink	2.2	Pass	N/A	Testing Complete
M00010	In workroom	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M00011	In hallway adjacent to administration	Drinking Fountain	<1	Pass	N/A	Testing Complete
M00027	In hallway adjacent to IMC	Drinking Fountain	<1	Pass	N/A	Testing Complete

M00044	In hallway adjacent to media center	Drinking Fountain	<1	Pass	N/A	Testing Complete
M00088	In kitchen	Kitchen Sink	1.4	Pass	N/A	Testing Complete
M00089	In kitchen	Kitchen Sink	2.5	Pass	N/A	Testing Complete
M00090	In kitchen	Kitchen Sink	6.4	Fail	Closed for Renovation	Testing Complete



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

May 4, 2018

### Executive Summary:

#### Burnt Mills Elementary School

11211 Childs Street

Silver Spring, Maryland 20901

Round of Testing:	Initial
# of Outlets Tested:	50
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	9.1

### Project Status:

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



May 4, 2018

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

Re: Drinking Water Testing

KCI Job #1214634191

**Location: Burnt Mills Elementary School**

11211 Childs Street  
Silver Spring, Maryland 20901

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 Burnt Mills Elementary School, located at 11211 Childs Street in Silver Spring, Maryland 20901.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Burnt Mills 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 4/9/2018 and 4/10/2018 to collect samples from 50 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 4/10/2018 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

# 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 Burnt Mills Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW09517	13	Classroom		Faucet	1.5	Pass	Testing Complete
LW09518	13	Classroom		Bubbler - Indoor	2.4	Pass	Testing Complete
LW09519	14	Classroom		Faucet	1.9	Pass	Testing Complete
LW09521	15	Classroom		Faucet	3.2	Pass	Testing Complete
LW09522	15	Classroom		Bubbler - Indoor	1.5	Pass	Testing Complete
LW09523	16	Classroom		Faucet	2.0	Pass	Testing Complete
LW09525	17	Classroom		Faucet	1.9	Pass	Testing Complete
LW09526	17	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW09527		Day Care	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
LW09528	18	Classroom		Faucet	1.6	Pass	Testing Complete
LW09529	18	Classroom		Bubbler - Indoor	1.7	Pass	Testing Complete
LW09530	19	Classroom		Faucet	1.5	Pass	Testing Complete
LW09531	19	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
LW09532		Team Room		Faucet	<1.0	Pass	Testing Complete
LW09534	7	Classroom		Faucet	2.5	Pass	Testing Complete
LW09535	7	Classroom		Bubbler - Indoor	3.1	Pass	Testing Complete
LW09536	9	Classroom		Faucet	2.8	Pass	Testing Complete
LW09537	9	Classroom		Bubbler - Indoor	2.9	Pass	Testing Complete
LW09538	10	Classroom		Faucet	6.1	Pass	Testing Complete
LW09539	10	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW09540	8	Classroom		Faucet	4.7	Pass	Testing Complete
LW09542	6	Classroom		Faucet	1.6	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW09543	6	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW09544	1	Classroom		Bubbler - Indoor	4.5	Pass	Testing Complete
LW09545	1	Classroom		Faucet	2.4	Pass	Testing Complete
LW09546	3	Classroom		Faucet	4.2	Pass	Testing Complete
LW09547	3	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
LW09548	5	Classroom		Faucet	2.8	Pass	Testing Complete
LW09549	5	Classroom		Bubbler - Indoor	3.8	Pass	Testing Complete
LW09550	4	Classroom		Faucet	5.5	Pass	Testing Complete
LW09551	4	Classroom		Bubbler - Indoor	2.4	Pass	Testing Complete
LW09552	2	Classroom		Faucet	3.2	Pass	Testing Complete
LW09581		Health Room		Faucet	1.2	Pass	Testing Complete
LW09582		Health Room		Bubbler - Indoor	4.7	Pass	Testing Complete
LW09583	K21	Classroom		Bubbler - Indoor	2.6	Pass	Testing Complete
LW09584	P20	Classroom		Faucet	5.4	Pass	Testing Complete
LW09585	P20	Classroom		Bubbler - Indoor	9.1	Pass	Testing Complete
LW09586		Hallway	Right Of Building Services	Cooler	<1.0	Pass	Testing Complete
LW09587	MU	Music		Faucet	4.8	Pass	Testing Complete
LW09591	11	Classroom		Faucet	2.1	Pass	Testing Complete
LW09592	11	Classroom		Bubbler - Indoor	2.3	Pass	Testing Complete
LW09593	12	Classroom		Faucet	1.4	Pass	Testing Complete
M00005	K21	Classroom		Faucet	1.6	Pass	Testing Complete
M00011		Hallway	Hall Right Admin	Cooler	<1.0	Pass	Testing Complete
M00027		Hallway	Hall Across from IMC	Cooler	<1.0	Pass	Testing Complete
M00044		Hallway	Pink Hall Left of ESOL	Cooler	<1.0	Pass	Testing Complete
M00088		Kitchen		Faucet	2.1	Pass	Testing Complete



Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M00089		Kitchen		Faucet	2.8	Pass	Testing Complete
M00090		Kitchen		Faucet	4.0	Pass	Testing Complete
M00091		Kitchen		Faucet	2.3	Pass	Testing Complete

\*PPB = parts per billion