

# Montgomery County Public Schools Lead in Drinking Water Testing Report

**Kingsview Middle School  
18909 Kingsview Road  
Germantown, MD 20874**

**Report Date: February 19<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	11/11/2021
# of Outlets Tested	40
# of Outlets $\geq$ 5 ppb	1

## **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 Kingsview MS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
M14741	In admin support room E123	Classroom Sink	<1	Pass	N/A	Testing Complete
LW06247	In boys locker room A109	Drinking Fountain	<1	Pass	N/A	Testing Complete
M41751	In break room C121	Teachers Lounge Sink	1.1	Pass	N/A	Testing Complete
M41746	In classroom D110	Classroom Sink	1.3	Pass	N/A	Testing Complete
M41748	In classroom D131	Classroom Sink	42.4	Fail	11.4	Testing Complete
M41750	In classroom D131	Classroom Sink	1.3	Pass	N/A	Testing Complete
M41749	In classroom D131	Classroom Sink	4.3	Pass	N/A	Testing Complete
LW06246	In hallway adjacent to A102	Drinking Fountain	<1	Pass	N/A	Testing Complete
Lw10958	In hallway adjacent to A102	Bottle Filler	<1	Pass	N/A	Testing Complete
M41756	In hallway adjacent to administration office C107	Drinking Fountain	<1	Pass	N/A	Testing Complete
M41757	In hallway adjacent to administration office C107	Drinking Fountain	<1	Pass	N/A	Testing Complete
M13360	In hallway adjacent to B101	Drinking Fountain	<1	Pass	N/A	Testing Complete
M14836	In hallway adjacent to B101	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11017	In hallway adjacent to B101	Bottle Filler	<1	Pass	N/A	Testing Complete
M14743	In hallway adjacent to D118	Drinking Fountain	<1	Pass	N/A	Testing Complete
M14742	In hallway adjacent to D118	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06251	In hallway adjacent to D208	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11018	In hallway adjacent to D213	Bottle Filler	<1	Pass	N/A	Testing Complete
LW11019	In hallway adjacent to D213	Drinking Fountain	<1	Pass	N/A	Testing Complete
M14740	In hallway adjacent to E112	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06252	In hallway adjacent to E206	Drinking Fountain	<1	Pass	N/A	Testing Complete
M41794	In hallway adjacent to E212	Drinking Fountain	<1	Pass	N/A	Testing Complete
M14839	In health room C137	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW06243	In kitchen B132	Ice Machine	<1	Pass	N/A	Testing Complete
M13340	In kitchen B132	Kitchen Sink	1.2	Pass	N/A	Testing Complete
M13341	In kitchen B132	Kitchen Sink	<1	Pass	N/A	Testing Complete
M13342	In kitchen B132	Kitchen Sink	1.9	Pass	N/A	Testing Complete
M13343	In kitchen B132	Kitchen Sink	1.3	Pass	N/A	Testing Complete
M13344	In kitchen B132	Kitchen Sink	2.4	Pass	N/A	Testing Complete
M13345	In kitchen B132	Kitchen Sink	1.6	Pass	N/A	Testing Complete

M13346	In kitchen B132	Kitchen Sink	<1	Pass	N/A	Testing Complete
M13354	In kitchen B132	Kitchen Sink	1.5	Pass	N/A	Testing Complete
M14843	In media center C145	Drinking Fountain	<1	Pass	N/A	Testing Complete
M41817	In support room D224	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M14854	In support room E122	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M37963	In support room E223	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M41816	In team room D223	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M41786	In team room E222	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M41755	In work room C133	Classroom Sink	<1	Pass	N/A	Testing Complete
M37950	In work room C150	Classroom Sink	<1	Pass	N/A	Testing Complete



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

June 13, 2018

### Executive Summary:

#### Kingsview Middle School

18909 Kingsview Road  
Germantown, Maryland 20874

Round of Testing:	Initial
# of Outlets Tested:	44
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	2.9

### Project Status:

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



June 13, 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: Kingsview Middle School**

18909 Kingsview Road  
Germantown, Maryland 20874

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 Kingsview Middle School, located at 18909 Kingsview Road in Germantown, Maryland 20874.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Kingsview Middle 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 4/25/2018 and 4/26/2018 to collect samples from 44 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 4/26/2018 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 Kingsview Middle School

Barcode	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW06243	B132	Kitchen Cafeteria		Ice Maker	2.4	Pass	Testing Complete
LW06246	A102	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW06247	A109	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW06248	A109	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW06249	A118	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW06250	A118	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW06251	D208	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW06252		Hallway	Across From E206	Cooler	<1.0	Pass	Testing Complete
M13340	B132	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M13341	B132	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M13342	B132	Kitchen Cafeteria		Faucet	2.1	Pass	Testing Complete
M13343	B132	Kitchen Cafeteria		Faucet	1.5	Pass	Testing Complete
M13344	B132	Kitchen Cafeteria		Faucet	1.8	Pass	Testing Complete
M13345	B132	Kitchen Cafeteria		Faucet	1.6	Pass	Testing Complete
M13346	B132	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M13351	B101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
M13352	B101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
M13354	B132	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M13360	B101	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M14740	E123	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
M14741	E123	Support Room		Faucet	1.0	Pass	Testing Complete
M14742		Hallway	Across From D118	Cooler	<1.0	Pass	Testing Complete
M14743		Hallway	Across From D118	Cooler	<1.0	Pass	Testing Complete

Barcode	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M14753	D115	Classroom		Cooler	<1.0	Pass	Testing Complete
M14836	B101	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M14839	C137	Health		Faucet	<1.0	Pass	Testing Complete
M14842	C145	Media Center		Cooler	<1.0	Pass	Testing Complete
M14843	C145	Media Center		Cooler	<1.0	Pass	Testing Complete
M14854	E122	Support Room		Faucet	<1.0	Pass	Testing Complete
M37950	C150	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M37963	E223	Support Room		Faucet	<1.0	Pass	Testing Complete
M41746	D110	Classroom		Faucet	2.9	Pass	Testing Complete
M41747	D110	Classroom	Inside CR D110	Cooler	<1.0	Pass	Testing Complete
M41748	D131	Classroom		Faucet	2.6	Pass	Testing Complete
M41749	D131	Classroom		Faucet	1.8	Pass	Testing Complete
M41750	D131	Classroom		Faucet	<1.0	Pass	Testing Complete
M41751	C121	Break Room		Faucet	<1.0	Pass	Testing Complete
M41755	C133	Work Room		Faucet	<1.0	Pass	Testing Complete
M41756		Hallway Administration	Inside Of	Cooler	<1.0	Pass	Testing Complete
M41757		Hallway Administration	Inside Of	Cooler	<1.0	Pass	Testing Complete
M41786	E222	Team Rm		Faucet	<1.0	Pass	Testing Complete
M41794		Hallway	Across From Cr E212	Cooler	<1.0	Pass	Testing Complete
M41816	D223	Team Rm		Faucet	<1.0	Pass	Testing Complete
M41817	D224	Support Room		Faucet	<1.0	Pass	Testing Complete

\*PPB = parts per billion