

# Montgomery County Public Schools Lead in Drinking Water Testing Report

Hallie Wells Middle School  
11701 Little Seneca Parkway  
Clarksburg, MD 20871

Report Date: February 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	10/22/2021
# of Outlets Tested	51
# of Outlets $\geq$ 5 ppb	3

## 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 Hallie Wells MS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
M33567	In boys locker room 167	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10914	In boys locker room 2 of 2	Bottle Filler	<1	Pass	N/A	Testing Complete
M33560	In break room 108	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M33568	In cafeteria 101	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10909	In cafeteria room 101	Bottle Filler	<1	Pass	N/A	Testing Complete
LW06084	In classroom 112	Classroom Sink	<1	Pass	N/A	Testing Complete
LW06085	In classroom 112	Classroom Sink	<1	Pass	N/A	Testing Complete
LW06086	In classroom 112	Classroom Sink	<1	Pass	N/A	Testing Complete
LW06087	In classroom 115	Classroom Sink	1.5	Pass	N/A	Testing Complete
LW06088	In classroom 119	Classroom Sink	3.5	Pass	N/A	Testing Complete
LW06089	In classroom 119	Classroom Sink	5.9	Fail	<1	Testing Complete
LW06090	In classroom 119	Classroom Sink	1.3	Pass	N/A	Testing Complete
LW10915	In classroom 209 1 of 2	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10916	In classroom 209 2 of 2	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10913	In girls locker room 166	Bottle Filler	<1	Pass	N/A	Testing Complete
M33615	In hallway 139 across from CR 132	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33552	In hallway across from 106	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33553	In hallway across from 106	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33616	In hallway across from CR 132	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06092	In hallway across from CR 157	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33571	In hallway across from CR 232	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33572	In hallway across from CR 232	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33569	In hallway across from CR 332	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33570	In hallway across from CR 332	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33626	In hallway across from gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10910	In hallway adjacent to 157	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10912	In hallway adjacent to boys locker room 167	Bottle Filler	<1	Pass	N/A	Testing Complete
M33561	In hallway outside of 160	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33590	In health room 102E by administration	Nurses Office Sink	2	Pass	N/A	Testing Complete
M33589	In health room 102F by administration	Classroom Sink	2.2	Pass	N/A	Testing Complete

M33588	In health room 102G by administration	Classroom Sink	9.1	Fail	<1	Testing Complete
LW06076	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW06077	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW06078	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW06079	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW06080	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW06082	In kitchen	Ice Machine	<1	Pass	N/A	Testing Complete
LW06081	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M33635	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M33634	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M33636	In kitchen middle sinks	Kitchen Sink	<1	Pass	N/A	Testing Complete
M33627	In locker room - girls 166	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06083	In music 157	Classroom Sink	5.2	Fail	<1	Testing Complete
LW06093	In speech therapy 233	Classroom Sink	1.5	Pass	N/A	Testing Complete
M33607	In team room 123	Classroom Sink	<1	Pass	N/A	Testing Complete
M33580	In team room 223	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M33579	In team room 249	Classroom Sink	2.4	Pass	N/A	Testing Complete
M33596	In team room 323	Classroom Sink	<1	Pass	N/A	Testing Complete
LW06091	In therapy 106	Classroom Sink	3.6	Pass	N/A	Testing Complete
M33593	In work room 100D by administration	Classroom Sink	<1	Pass	N/A	Testing Complete
M33587	In work room 200D by media center	Classroom Sink	1.2	Pass	N/A	Testing Complete



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

### Executive Summary:

#### Hallie Wells Middle School

11701 Little Seneca Parkway

Clarksburg, Maryland 20871

Date of Test Report:	4/15/2018
Round of Testing:	Initial
# of Outlets Tested:	44
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	3.6

### Project Status:

Initial testing complete: All results less than 20 ppb.



4/15/2018

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

Re: Drinking Water Testing

KCI Job #1214634186

**Location: Hallie Wells Middle School**

11701 Little Seneca Parkway  
Clarksburg, Maryland 20871

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 Hallie Wells Middle School, located at 11701 Little Seneca Parkway in Clarksburg, Maryland 20871.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Hallie Wells 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 3/22/2018 and 3/23/2018 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 3/23/2018 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 Hallie Wells Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW06076		Kitchen		Faucet	1.1	Pass	Testing Complete
LW06077		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06078		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06079		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06080		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06081		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06082		Kitchen		Icemaker	<1.0	Pass	Testing Complete
LW06083	157	Music		Faucet	<1.0	Pass	Testing Complete
LW06084	112	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06085	112	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06086	112	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06087	115	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06088	119	Classroom		Faucet	1.5	Pass	Testing Complete
LW06089	119	Classroom		Faucet	3.3	Pass	Testing Complete
LW06090	119	Classroom		Faucet	3.6	Pass	Testing Complete
LW06091	106	Therapy		Faucet	2.6	Pass	Testing Complete
LW06092		Hallway	Across From Cr 157	Cooler	<1.0	Pass	Testing Complete
LW06093	233	Speech Therapy		Faucet	1.6	Pass	Testing Complete
M33552		Hallway	Across From Rm 106	Cooler	<1.0	Pass	Testing Complete
M33553		Hallway	Across From Rm 106	Cooler	<1.0	Pass	Testing Complete
M33560	108	Break Room		Faucet	1.1	Pass	Testing Complete
M33561		Hallway	Outside Of Rm 160	Cooler	<1.0	Pass	Testing Complete
M33567	167	Boys Locker Room		Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M33568	101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
M33569		Hallway	Across From Cr 332	Cooler	<1.0	Pass	Testing Complete
M33570		Hallway	Across From Cr 332	Cooler	<1.0	Pass	Testing Complete
M33571		Hallway	Across From Cr 232	Cooler	<1.0	Pass	Testing Complete
M33572		Hallway	Across From Cr 232	Cooler	<1.0	Pass	Testing Complete
M33579	249	Team Room		Faucet	<1.0	Pass	Testing Complete
M33580	223	Team Room		Faucet	1.2	Pass	Testing Complete
M33587	200D	Work Room Media Center		Faucet	1.7	Pass	Testing Complete
M33588	102G	Health Room Administration		Faucet	2.8	Pass	Testing Complete
M33589	102F	Health Room Administration		Faucet	<1.0	Pass	Testing Complete
M33590	102E	Health Room Administration		Faucet	2.6	Pass	Testing Complete
M33593	100D	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
M33596	323	Team Room		Faucet	2.5	Pass	Testing Complete
M33607	123	Team Room		Faucet	<1.0	Pass	Testing Complete
M33615	139	Hallway	Across From Cr 132	Cooler	<1.0	Pass	Testing Complete
M33616		Hallway	Across From Cr 132	Cooler	<1.0	Pass	Testing Complete
M33626		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
M33627	166	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
M33634		Kitchen		Faucet	<1.0	Pass	Testing Complete
M33635		Kitchen		Faucet	<1.0	Pass	Testing Complete
M33636		Kitchen	Middle Sinks	Faucet	<1.0	Pass	Testing Complete

\*PPB = parts per billion