

# Montgomery County Public Schools Lead in Drinking Water Testing Report

Silver Creek Middle School  
3701 Saul Road  
Kensington, MD 20895

Report Date: July 27<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	06/01/2022
# of Outlets Tested	63
# of Outlets $\geq$ 5 ppb	0

## 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 Silver Creek MS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW04165	In gymnasium 364 Auxilliary	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04166	In gymnasium 364 Auxilliary	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04167	In lab 369 Tech	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04168	In office 371	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04173	In lab 301 Multi	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04174	In lab 301 Multi	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04175	In hallway between 424 and 426	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04176	In hallway between 424 and 426	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04177	In break room 461	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW04178	In hallway across from 461	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04179	In hallway across from 461	Bottle Filler	<1	Pass	N/A	Testing Complete
LW04180	In hallway across from 461	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04181	In work room 416	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04182	In office 410	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW10816	In Workroom 310	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW10817	In Workroom 212	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW11458	In cafeteria 101	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11459	In cafeteria 101	Bottle Filler	<1	Pass	N/A	Testing Complete
LW11460	In cafeteria 101	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11461	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11462	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11463	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11464	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11465	In kitchen 118	Ice Machine	<1	Pass	N/A	Testing Complete
LW11466	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11467	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11468	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11469	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11470	In kitchen 118	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11471	In work room 108	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete

LW11472	In hallway across from 100I	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11473	In hallway across from 100I	Bottle Filler	<1	Pass	N/A	Testing Complete
LW11474	In hallway across from 100I	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11475	In health room 111	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW11476	In office 111C by health room	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW11477	In other (see location notes) 111G by health room ie. inside of	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW11478	In hallway outside of 116	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11479	In hallway outside of 116	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11480	In music 116	Classroom Sink	<1	Pass	N/A	Testing Complete
LW11481	In music 116	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW11482	In hallway between 220 and 222	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11483	In hallway between 220 and 222	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11484	In hallway between 220 and 222	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11485	In work room 242	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW11486	In work room 244	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW11487	In hallway between 254 and 256	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11488	In hallway between 254 and 256	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11489	In gymnasium 262	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11490	In gymnasium 262	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11491	In gymnasium 262	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11492	In locker room - girls 268	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11493	In locker room - girls 268	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11494	In locker room - boys 278	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11495	In locker room - boys 278	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11496	In work room 200A by media center	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW11497	In work room 200A by media center	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11498	In hallway between 318 and 320	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11499	In hallway between 318 and 320	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11500	In work room 340	Teacher's Lounge Sink	2.1	Pass	N/A	Testing Complete
LW11501	In work room 342	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW11502	In hallway between 350 and 352	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11503	In hallway between 350 and 352	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11504	In hallway between 350 and 352	Drinking Fountain	<1	Pass	N/A	Testing Complete



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

June 5, 2018

### Executive Summary:

**Silver Creek Middle School**

3701 Saul Road

Kensington, Maryland 20895

Round of Testing:	Initial
# of Outlets Tested:	65
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	3.8

### Project Status:

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



June 5, 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: Silver Creek Middle School**

3701 Saul Road  
Kensington, Maryland 20895

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 Silver Creek Middle School, located at 3701 Saul Road in Kensington, Maryland 20895.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Silver Creek 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 5/1/2018 and 5/2/2018 to collect samples from 65 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 5/2/2018 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 Silver Creek Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04165	364	Gymnasium	Auxilliary	Cooler	<1.0	Pass	Testing Complete
LW04166	364	Gymnasium	Auxilliary	Cooler	<1.0	Pass	Testing Complete
LW04167	369	Lab	Tech	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04168	371	Office		Bubbler - Indoor	1.5	Pass	Testing Complete
LW04169	301	Lab	Multi	Faucet	1.0	Pass	Testing Complete
LW04170	301	Lab	Multi	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04171	301	Lab	Multi	Faucet	3.8	Pass	Testing Complete
LW04172	301	Lab	Multi	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04173	301	Lab	Multi	Faucet	1.4	Pass	Testing Complete
LW04174	301	Lab	Multi	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04175		Hallway	Between 424 And 426	Cooler	<1.0	Pass	Testing Complete
LW04176		Hallway	Between 424 And 426	Cooler	<1.0	Pass	Testing Complete
LW04177	461	Break Room		Faucet	<1.0	Pass	Testing Complete
LW04178		Hallway	Across From 461	Cooler	<1.0	Pass	Testing Complete
LW04179		Hallway	Across From 461	Cooler	<1.0	Pass	Testing Complete
LW04180		Hallway	Across From 461	Cooler	<1.0	Pass	Testing Complete
LW04181	416	Work Room		Faucet	<1.0	Pass	Testing Complete
LW04182	410	Office		Faucet	2.9	Pass	Testing Complete
LW11458	101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW11459	101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW11460	101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW11461	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11462	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11463	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11464	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11465	118	Kitchen		Ice Maker	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW11466	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11467	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11468	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11469	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11470	118	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11471	108	Work Room		Faucet	<1.0	Pass	Testing Complete
LW11472		Hallway	Across From 100I	Cooler	<1.0	Pass	Testing Complete
LW11473		Hallway	Across From 100I	Cooler	<1.0	Pass	Testing Complete
LW11474		Hallway	Across From 100I	Cooler	<1.0	Pass	Testing Complete
LW11475	111	Health Room		Faucet	<1.0	Pass	Testing Complete
LW11476	111C	Office Health Room		Faucet	3.0	Pass	Testing Complete
LW11477	111G	Other (See Location Notes) Health Room	Inside Of	Faucet	2.3	Pass	Testing Complete
LW11478		Hallway	Outside Of 116	Cooler	<1.0	Pass	Testing Complete
LW11479		Hallway	Outside Of 116	Cooler	<1.0	Pass	Testing Complete
LW11480	116	Music		Faucet	1.5	Pass	Testing Complete
LW11481	116	Music		Faucet	<1.0	Pass	Testing Complete
LW11482		Hallway	Between 220 And 222	Cooler	<1.0	Pass	Testing Complete
LW11483		Hallway	Between 220 And 222	Cooler	<1.0	Pass	Testing Complete
LW11484		Hallway	Between 220 And 222	Cooler	<1.0	Pass	Testing Complete
LW11485	242	Work Room		Faucet	3.5	Pass	Testing Complete
LW11486	244	Work Room		Faucet	<1.0	Pass	Testing Complete
LW11487		Hallway	Between 254 And 256	Cooler	<1.0	Pass	Testing Complete
LW11488		Hallway	Between 254 And 256	Cooler	<1.0	Pass	Testing Complete
LW11489	262	Gymnasium		Cooler	<1.0	Pass	Testing Complete
LW11490	262	Gymnasium		Cooler	<1.0	Pass	Testing Complete
LW11491	262	Gymnasium		Cooler	<1.0	Pass	Testing Complete
LW11492	268	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW11493	268	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW11494	278	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW11495	278	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW11496	200A	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
LW11497	200A	Work Room Media Center		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW11498		Hallway	Between 318 And 320	Cooler	<1.0	Pass	Testing Complete
LW11499		Hallway	Between 318 And 320	Cooler	<1.0	Pass	Testing Complete
LW11500	340	Work Room		Faucet	<1.0	Pass	Testing Complete
LW11501	342	Work Room		Faucet	<1.0	Pass	Testing Complete
LW11502		Hallway	Between 350 And 352	Cooler	<1.0	Pass	Testing Complete
LW11503		Hallway	Between 350 And 352	Cooler	<1.0	Pass	Testing Complete
LW11504		Hallway	Between 350 And 352	Cooler	<1.0	Pass	Testing Complete

\*PPB = parts per billion