Montgomery County Public Schools
Lead in Drinking Water Testing Report

Westland Middle School
5511 Massachusetts Ave.
Bethesda, MD 20816

Report Date: April 30, 2025

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 KCI Technologies, Inc. is presented in the table below.

Sampling Date	3/28/2025
# of Outlets Tested	35
# of Outlets ≥ 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.
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.
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 Westland MS

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW06277	In Lounge 100a	Faucet, Cold	<1.0	Pass	Testing Complete
LW06278	In Kitchen	Faucet, Cold	1.1	Pass	Testing Complete
LW06279	In Kitchen	Commercial Kitchen Kettle, Cold	<1.0	Pass	Testing Complete
LW06280	In Hallway Outside 116	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW06281	In Hallway Outside 136	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW06285	In Hallway Outside 226	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW06287	In Home Economics 225	Faucet, Cold	<1.0	Pass	Testing Complete
LW06288	In Hallway Outside 234	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW06289	In Hallway Outside 239	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW06290	In Hallway Outside 206	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW06293	In Classroom 214	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW10819	In Hallway Outside 239	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW10820	In Hallway Outside 116	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW10822	In Hallway Outside 139	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13793	In Health Room	Faucet, Cold	<1.0	Pass	Testing Complete
LW13794	In Hallway Outside 149	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW13795	In Hallway Outside 149	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13796	In Hallway Outside 139	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW13797	In Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW13798	In Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW13799	In Hallway Outside 106	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW13800	In Hallway Outside 106	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13801	In Hallway Outside 106	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW13802	In Hallway Outside 219	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW13803	In Hallway Outside 219	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
M13398	In Lounge 128	Faucet, Cold	<1.0	Pass	Testing Complete
M13400	In Lounge 130a	Faucet, Cold	<1.0	Pass	Testing Complete
M14333	In Kitchen	Faucet, Cold	1.3	Pass	Testing Complete
M14334	In Kitchen	Faucet, Cold	2.2	Pass	Testing Complete
M14336	In Kitchen	Faucet, Cold	1.1	Pass	Testing Complete
M14339	In Kitchen	Ice Machine	<1.0	Pass	Testing Complete
M14757	In Home Economics 225	Faucet, Cold	<1.0	Pass	Testing Complete
M14761	In Home Economics 225	Faucet, Cold	3.3	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M14762	In Home Economics 225	Faucet, Cold	3.2	Pass	Testing Complete
M14764	In Home Economics 225	Faucet, Cold	2.0	Pass	Testing Complete

Montgomery County Public Schools
Lead in Drinking Water Testing Report

Westland Middle School
5511 Massachusetts Avenue
Bethesda, MD 20816

Report Date: July 27th, 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	06/03/2022
# of Outlets Tested	35
# of Outlets ≥ 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.

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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.

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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.
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.
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 Westland MS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW06277	In work room 101 by administration	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW06278	In kitchen by cafeteria	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW06279	In kitchen by cafeteria	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW06280	In hallway 116 next to	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06281	In hallway 128 next to	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06282	In hallway 134 next to	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06283	In hallway 143 outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06284	In hallway 214 next to	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06285	In hallway 220 outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06287	In home economics 218	Classroom Sink	<1	Pass	N/A	Testing Complete
LW06288	In hallway 226 across from	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06289	In hallway 230 next to	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06290	In hallway 206 next to	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06291	In locker room - girls 146	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06292	In locker room - boys 140	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06293	In classroom 211	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06294	In classroom 211	Classroom Sink	<1	Pass	N/A	Testing Complete
LW10818	In hallway by classroom 219	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10819	In hallway by classroom 239	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10820	In hallway next to classroom 116	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10822	In hallway by AGYM 139	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10823	In hallway by gymnasium	Bottle Filler	<1	Pass	N/A	Testing Complete
M13398	In break room 121	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M13400	In work room 124 by media center	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M14332	In kitchen by cafeteria	Kitchen Sink	1.9	Pass	N/A	Testing Complete
M14333	In kitchen by cafeteria	Kitchen Sink	1.2	Pass	N/A	Testing Complete
M14334	In kitchen by cafeteria	Kitchen Sink	1.3	Pass	N/A	Testing Complete
M14336	In kitchen by cafeteria	Kitchen Sink	<1	Pass	N/A	Testing Complete
M14338	In kitchen by cafeteria	Kitchen Sink	<1	Pass	N/A	Testing Complete
M14339	In kitchen by cafeteria	Ice Machine	<1	Pass	N/A	Testing Complete

M14345	In health room 135 by health	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M14757	In home economics 218	Classroom Sink	<1	Pass	N/A	Testing Complete
M14761	In home economics 218	Classroom Sink	2.6	Pass	N/A	Testing Complete
M14762	In home economics 218	Classroom Sink	3.5	Pass	N/A	Testing Complete
M14764	In home economics 218	Classroom Sink	12.7	Fail	N/A	Testing Complete

KCI TECHNOLOGIES
ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS
936 RIDGEBROOK ROAD • SPARKS, MD 21152 • 410-316-7800 • (FAX) 410-316-7935

Montgomery County Public Schools
Lead in Drinking Water Testing 2018

June 5, 2018

Executive Summary:
Westland Middle School
5511 Massachusetts Avenue
Bethesda, Maryland 20816

Round of Testing:	Initial
# of Outlets Tested:	30
# of Outlets ≥20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	9.2

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

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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: Westland Middle School
5511 Massachusetts Avenue
Bethesda, Maryland 20816

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 Westland Middle School, located at 5511 Massachusetts Avenue in Bethesda, Maryland 20816.

SCOPE OF SERVICES

KCI conducted lead in water testing at Westland 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 4/30/2018 and 5/1/2018 to collect samples from 30 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.

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 5/1/2018 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 Westland Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW06277	101	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
LW06278		Kitchen Cafeteria		Faucet	1	Pass	Testing Complete
LW06279		Kitchen Cafeteria		Faucet	1.5	Pass	Testing Complete
LW06280	116	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW06281	128	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW06282	134	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW06283	143	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW06285	220	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW06286	218	Home Economics		Faucet	9.2	Pass	Testing Complete
LW06287	218	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW06288	226	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW06289	230	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW06290	206	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW06291	146	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW06292	140	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW06293	211	Classroom		Cooler	<1.0	Pass	Testing Complete
LW06294	211	Classroom		Faucet	<1.0	Pass	Testing Complete
M13398	121	Break Room		Faucet	<1.0	Pass	Testing Complete
M13400	124	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M14332		Kitchen Cafeteria		Faucet	1.1	Pass	Testing Complete
M14333		Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M14334		Kitchen Cafeteria		Faucet	1.6	Pass	Testing Complete
M14336		Kitchen Cafeteria		Faucet	3.3	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M14338		Kitchen Cafeteria		Faucet	1.0	Pass	Testing Complete
M14339		Kitchen Cafeteria		Ice Maker	<1.0	Pass	Testing Complete
M14345	135	Health Room		Faucet	<1.0	Pass	Testing Complete
M14757	218	Home Economics		Faucet	<1.0	Pass	Testing Complete
M14761	218	Home Economics		Faucet	<1.0	Pass	Testing Complete
M14762	218	Home Economics		Faucet	<1.0	Pass	Testing Complete
M14764	218	Home Economics		Faucet	<1.0	Pass	Testing Complete

*PPB = parts per billion