

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Twinbrook Elementary School
5911 Ridgway Ave.
Rockville, MD 20851**

Report Date: May 9th, 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	3/15/2024
# of Outlets Tested	34
# of Outlets \geq 5 ppb	10

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 Twinbrook ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW06791	In hallway adjacent to room 109	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW06793	In classroom B1	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW06796	In hallway adjacent to room B5	Bottle Refill Dispenser/Water Refill Station	<1.0	Pass	Testing Complete
LW06816	In hallway adjacent to room 302	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW01342	In hallway next to CR 311	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW09419	In classroom 302	Drinking Water fountain - Bubblers Style	3.4	Pass	Testing Complete
LW09435	In classroom 103	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW09429	In classroom 111	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW09795	In classroom B3	Drinking Water fountain - Bubblers Style	5.6	Fail	Remediation Action Plan
LW09433	In classroom 102	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW06802	In classroom 406	Drinking Water fountain - Bubblers Style	6.9	Fail	Remediation Action Plan

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW06809	In classroom 400	Drinking Water fountain - Bubblers Style	10.4	Fail	Remediation Action Plan
LW09436	In kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW09437	In kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW06811	In classroom 311	Drinking Water fountain - Bubblers Style	10.0	Fail	Remediation Action Plan
LW06800	In classroom B7	Drinking Water fountain - Bubblers Style	15.8	Fail	Remediation Action Plan
LW09442	In hallway adjacent to room 201	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW13046	In hallway adjacent to room 201	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW13045	In hallway adjacent to GYM	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW13060	In hallway adjacent to GYM	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW13043	In hallway next to CR 311	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW09444	In classroom 202	Drinking Water fountain - Bubblers Style	6.3	Fail	Remediation Action Plan
LW09425	In classroom 207	Drinking Water fountain - Bubblers Style	8.0	Fail	Remediation Action Plan

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW09190	In classroom 303	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW09186	In classroom 306	Drinking Water fountain - Bubblers Style	2.6	Pass	Testing Complete
LW09427	In classroom 209	Drinking Water fountain - Bubblers Style	4.9	Pass	Testing Complete
LW13040	In classroom 109	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW09798	In classroom B5	Drinking Water fountain - Bubblers Style	5.2	Fail	Remediation Action Plan
LW09448	In hallway adjacent gym	Bottle Refill Dispenser/Water Refill Station	82.8	Fail	Remediation Action Plan
LW13041	In hallway adjacent room 302	Bottle Refill Dispenser/Water Refill Station	<1.0	Pass	Testing Complete
LW09454	In classroom 100	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW09458	In health room adjacent to administration office	Drinking Water fountain - Bubblers Style	39.4	Fail	Remediation Action Plan
LW09457	In health room adjacent to administration office	Faucet, Cold	1.3	Pass	Testing Complete
LW09452	In classroom 105	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete