

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Westbrook Elementary School
5110 Allan Terrace
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	06/01/2022
# of Outlets Tested	61
# 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.
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 Westbrook ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW04009	In hallway across from 131	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04010	In classroom 133	Classroom Combination Sink	1.3	Pass	N/A	Testing Complete
LW04012	In classroom 132	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
LW04014	In classroom 136	Classroom Combination Sink	2.2	Pass	N/A	Testing Complete
LW04015	In classroom 136	Classroom Combination Drinking Fountain	4.5	Pass	N/A	Testing Complete
LW04016	In hallway across from gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04017	In hallway left of B06	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04018	In classroom B11	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04019	In classroom B11	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04020	In classroom B11	Classroom Sink	<1	Pass	N/A	Testing Complete
LW04021	In hallway entrance of atrium	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04022	In classroom 302	Classroom Combination Sink	2.4	Pass	N/A	Testing Complete
LW04024	In hallway across from 302	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04026	In classroom 211	Classroom Combination Drinking Fountain	2.4	Pass	N/A	Testing Complete
LW04027	In hallway to the left of 229	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04028	In classroom 214	Classroom Combination Sink	1.3	Pass	N/A	Testing Complete
LW04030	In team room 126	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04031	In classroom 128	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04033	In classroom 130	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04034	In classroom 130	Classroom Combination Drinking Fountain	6.1	Fail	N/A	Testing Complete
LW04035	In hallway entrance of atrium	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04036	In classroom 106	Classroom Combination Sink	1.5	Pass	N/A	Testing Complete
LW04037	In classroom 106	Classroom Combination Drinking Fountain	9.3	Fail	N/A	Testing Complete
LW04038	In classroom 105	Classroom Combination Sink	2.5	Pass	N/A	Testing Complete
LW10498	In classroom 204	Classroom Combination Sink	1.8	Pass	N/A	Testing Complete
LW10499	In classroom 204	Classroom Combination Drinking Fountain	4.3	Pass	N/A	Testing Complete
LW10500	In classroom 205	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW10502	In classroom 301	Classroom Combination Sink	3.9	Pass	N/A	Testing Complete
LW10847	In hallway across from classroom 302	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10848	In hallway next to office 229	Bottle Filler	<1	Pass	N/A	Testing Complete

LW10849	In hallway across from 131	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10850	In all purpose room	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10851	In all purpose room	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10852	In hallway next to classroom B06	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10853	In hallway across from gymnasium	Bottle Filler	<1	Pass	N/A	Testing Complete
M13275	In kitchen by kitchen	Kitchen Sink	6.2	Fail	N/A	Testing Complete
M13276	In kitchen by kitchen	Kitchen Sink	2.1	Pass	N/A	Testing Complete
M13277	In kitchen by kitchen	Kitchen Sink	2.1	Pass	N/A	Testing Complete
M13278	In kitchen by kitchen	Kitchen Sink	1.9	Pass	N/A	Testing Complete
M31096	In classroom 225	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31099	In classroom 223	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31100	In classroom 219	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M31101	In classroom 219	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31103	In classroom 217	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31109	In classroom 210	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31122	In classroom 120	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31123	In classroom 120	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M31124	In classroom 116	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31125	In classroom 116	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M31126	In classroom 121	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31128	In classroom 117	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M31129	In classroom 117	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31130	In classroom 114	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31132	In classroom 115	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M31133	In classroom 115	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31134	In classroom 111	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31151	In classroom B06	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31154	In classroom B08	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M31155	In classroom B08	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31157	In classroom B09	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M31158	In classroom B09	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete



Montgomery County Public Schools Lead in Drinking Water Testing 2018

June 5, 2018

Executive Summary:
Westbrook Elementary School
5110 Allan Terrace
Bethesda, Maryland 20816

Round of Testing:	Initial
# of Outlets Tested:	71
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	14.9

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: Westbrook Elementary School

5110 Allan Terrace
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 Westbrook Elementary School, located at 5110 Allan Terrace in Bethesda, Maryland 20816.

SCOPE OF SERVICES

KCI conducted lead in water testing at Westbrook Elementary 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 4/26/2018 and 4/27/2018 to collect samples from 71 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 4/27/2018 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 Westbrook Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04009		Hallway	Across From 131	Cooler	<1.0	Pass	Testing Complete
LW04010	133	Classroom		Faucet	2.5	Pass	Testing Complete
LW04011	133	Classroom		Bubbler - Indoor	2.4	Pass	Testing Complete
LW04012	132	Classroom		Faucet	4.4	Pass	Testing Complete
LW04013	132	Classroom		Bubbler - Indoor	1.5	Pass	Testing Complete
LW04014	136	Classroom		Faucet	3.4	Pass	Testing Complete
LW04015	136	Classroom		Bubbler - Indoor	3.3	Pass	Testing Complete
LW04016		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
LW04017		Hallway	Left Of B06	Cooler	<1.0	Pass	Testing Complete
LW04018	B11	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04019	B11	Classroom		Bubbler - Indoor	2.7	Pass	Testing Complete
LW04020	B11	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04021		Hallway	Entrance Of Atrium	Cooler	<1.0	Pass	Testing Complete
LW04022	302	Classroom		Faucet	3.6	Pass	Testing Complete
LW04024		Hallway	Across From 302	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04025	211	Classroom		Faucet	14.9	Pass	Testing Complete
LW04026	211	Classroom		Bubbler - Indoor	2.9	Pass	Testing Complete
LW04027		Hallway	To The Left Of 229	Cooler	<1.0	Pass	Testing Complete
LW04028	214	Classroom		Faucet	1.8	Pass	Testing Complete
LW04030	126	Team Room		Faucet	<1.0	Pass	Testing Complete
LW04031	128	Classroom		Faucet	2.2	Pass	Testing Complete
LW04032	128	Classroom		Bubbler - Indoor	1.6	Pass	Testing Complete
LW04033	130	Classroom		Faucet	2.3	Pass	Testing Complete
LW04034	130	Classroom		Bubbler - Indoor	1.7	Pass	Testing Complete
LW04035		Hallway	Entrance Of Atrium	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04036	106	Classroom		Faucet	1.1	Pass	Testing Complete
LW04037	106	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04038	105	Classroom		Faucet	2.5	Pass	Testing Complete
LW04040	104	Classroom		Faucet	5.1	Pass	Testing Complete
LW04041	104	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
LW10498	204	Classroom		Faucet	2.6	Pass	Testing Complete
LW10499	204	Classroom		Bubbler - Indoor	2.4	Pass	Testing Complete
LW10500	205	Classroom		Faucet	2.9	Pass	Testing Complete
LW10502	301	Classroom		Faucet	3.9	Pass	Testing Complete
LW10503	301	Classroom		Bubbler - Indoor	9.9	Pass	Testing Complete
M13275		Kitchen		Faucet	1.0	Pass	Testing Complete
M13276		Kitchen		Faucet	2.2	Pass	Testing Complete
M13277		Kitchen		Faucet	2.1	Pass	Testing Complete
M13278		Kitchen		Faucet	1.8	Pass	Testing Complete
M31096	225	Classroom		Faucet	<1.0	Pass	Testing Complete
M31097	225	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31098	223	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31099	223	Classroom		Faucet	<1.0	Pass	Testing Complete
M31100	219	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31101	219	Classroom		Faucet	<1.0	Pass	Testing Complete
M31102	217	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31103	217	Classroom		Faucet	<1.0	Pass	Testing Complete
M31108	210	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31109	210	Classroom		Faucet	<1.0	Pass	Testing Complete
M31111	200A	Health		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31112	200A	Health		Faucet	<1.0	Pass	Testing Complete
M31122	120	Classroom		Faucet	<1.0	Pass	Testing Complete
M31123	120	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31124	116	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M31125	116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31126	121	Classroom		Faucet	<1.0	Pass	Testing Complete
M31127	121	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31128	117	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31129	117	Classroom		Faucet	<1.0	Pass	Testing Complete
M31130	114	Classroom		Faucet	<1.0	Pass	Testing Complete
M31131	114	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31132	115	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31133	115	Classroom		Faucet	<1.0	Pass	Testing Complete
M31134	111	Classroom		Faucet	<1.0	Pass	Testing Complete
M31135	111	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31151	B06	Classroom		Faucet	<1.0	Pass	Testing Complete
M31152	B06	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31154	B08	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31155	B08	Classroom		Faucet	<1.0	Pass	Testing Complete
M31157	B09	Classroom		Faucet	<1.0	Pass	Testing Complete
M31158	B09	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

*PPB = parts per billion