

Montgomery County Public Schools Lead in Drinking Water Testing Report

Rosa M. Parks Middle School
19200 Olney Mill Road
Olney, MD 20832

Report Date: February 23rd, 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	12/01/2021
# of Outlets Tested	42
# of Outlets \geq 5.0 ppb	2

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 Rosa M. Parks MS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
M45603	In boy's locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
M45604	In boy's locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05360	In break room 205	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW05315	In break room by office	Teachers Lounge Sink	2.6	Pass	N/A	Testing Complete
LW05352	In classroom C106	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05353	In classroom C106	Classroom Sink	<1	Pass	N/A	Testing Complete
LW05350	In classroom C107	Classroom Sink	3.7	Pass	N/A	Testing Complete
LW05351	In classroom C107	Classroom Sink	5.0	Fail	7.4	Testing Complete
LW05354	In classroom C108	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05355	In classroom C108	Classroom Sink	1.3	Pass	N/A	Testing Complete
LW05356	In girl's locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05357	In girl's locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11157	In hallway adjacent boy's locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05317	In hallway adjacent to B107	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05318	In hallway adjacent to B107	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05362	In hallway adjacent to B212	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05363	In hallway adjacent to B212	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11158	In hallway adjacent to boy's locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
lw11159	In hallway adjacent to health room	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11160	In hallway adjacent to health room	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05313	In hallway outside of A102	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05358	In hallway outside of gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05359	In hallway outside of gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05320	In health room A121	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW05305	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW05307	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW05308	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW05311	In kitchen	Ice Machine	<1	Pass	N/A	Testing Complete
M45563	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M45565	In kitchen	Kitchen Sink	1.1	Pass	N/A	Testing Complete

LW05306	In kitchen	Kitchen Sink	1.7	Pass	N/A	Testing Complete
M45557	In kitchen	Kitchen Sink	2.6	Pass	N/A	Testing Complete
LW05309	In kitchen	Kitchen Sink	3.7	Pass	N/A	Testing Complete
LW05310	In kitchen	Kitchen Sink	5.1	Fail	1.6	Testing Complete
LW05319	In team room B109	Teacher's Lounge Sink	2.3	Pass	N/A	Testing Complete
LW05316	In team room B111	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW05361	In team room B214	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW05364	In team room B216	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW05365	In team room C211	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW05368	In team room C213	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW05321	In work room A108 by media center	Teacher's Lounge Sink	1.4	Pass	N/A	Testing Complete
LW05314	In work room by office	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Rosa Parks Middle School

19200 Olney Mill Road

Olney, Maryland 20832

Date of Test Report:	3/22/2018
Round of Testing:	Initial
# of Outlets Tested:	44
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	8.4

Project Status:

Initial testing complete: All results less than 20 ppb.



3/22/2018

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: Rosa Parks Middle School

19200 Olney Mill Road
Olney, Maryland 20832

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 Rosa Parks Middle School, located at 19200 Olney Mill Road in Olney, Maryland 20832.

SCOPE OF SERVICES

KCI conducted lead in water testing at Rosa Parks 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 2/26/2018 and 2/27/2018 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.

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 2/27/2018 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 Rosa Parks Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW05304		Kitchen		Faucet	8.4	Pass	Testing Complete
LW05305		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW05306		Kitchen Kitchen		Faucet	1.8	Pass	Testing Complete
LW05307		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
LW05308		Kitchen Kitchen		Faucet	1.4	Pass	Testing Complete
LW05309		Kitchen Kitchen		Faucet	2	Pass	Testing Complete
LW05310		Kitchen Kitchen		Faucet	2.9	Pass	Testing Complete
LW05311		Kitchen Kitchen		Icemaker	<1.0	Pass	Testing Complete
LW05312		Hallway Hallway	Outside Of Rm A102	Cooler	<1.0	Pass	Testing Complete
LW05313		Hallway Hallway	Outside Of Rm A102	Cooler	<1.0	Pass	Testing Complete
LW05314		Work Room Office		Faucet	<1.0	Pass	Testing Complete
LW05315		Break Room Office		Faucet	1.2	Pass	Testing Complete
LW05316	B111	Team Room		Faucet	<1.0	Pass	Testing Complete
LW05317		Hallway Hallway	Close To Rm B107	Cooler	<1.0	Pass	Testing Complete
LW05318		Hallway Hallway	Close To Rm B107	Cooler	<1.0	Pass	Testing Complete
LW05319	B109	Team Room		Faucet	<1.0	Pass	Testing Complete
LW05320	A121	Health Room		Faucet	<1.0	Pass	Testing Complete
LW05321	A108	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
LW05348		Hallway Hallway	Across From Rm C105	Cooler	<1.0	Pass	Testing Complete
LW05349		Hallway Hallway	Across From Rm C105	Cooler	<1.0	Pass	Testing Complete
LW05350	C107	Classroom		Faucet	4	Pass	Testing Complete
LW05351	C107	Classroom		Faucet	4.5	Pass	Testing Complete
LW05352	C106	Classroom Classroom	In Front Of Rm 106	Cooler	<1.0	Pass	Testing Complete
LW05353	C106	Classroom Classroom	In Front Rm C106	Faucet	<1.0	Pass	Testing Complete
LW05354	C108	Classroom Classroom	In Front Of Rm C108	Cooler	<1.0	Pass	Testing Complete
LW05355	C108	Classroom Classroom	In Front Of Rm C108	Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW05356		Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW05357		Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW05358		Hallway Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
LW05359		Hallway Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
LW05360		Break Room	Next To Rm 205	Faucet	<1.0	Pass	Testing Complete
LW05361	B214	Team Room		Faucet	<1.0	Pass	Testing Complete
LW05362		Hallway	Close To Rm B212	Cooler	<1.0	Pass	Testing Complete
LW05363		Hallway	Close To Rm B212	Cooler	<1.0	Pass	Testing Complete
LW05364	B216	Team Room		Faucet	<1.0	Pass	Testing Complete
LW05365	C211	Team Room		Faucet	<1.0	Pass	Testing Complete
LW05366		Hallway	Close To Rm C212	Cooler	<1.0	Pass	Testing Complete
LW05367		Hallway	In Front Of Rm C212	Cooler	<1.0	Pass	Testing Complete
LW05368	C213	Team Room		Faucet	<1.0	Pass	Testing Complete
M45557		Kitchen Kitchen		Faucet	1.2	Pass	Testing Complete
M45563		Kitchen Kitchen		Faucet	1.1	Pass	Testing Complete
M45565		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M45603		Boys Locker Room		Cooler	<1.0	Pass	Testing Complete
M45604		Boys Locker Room		Cooler	<1.0	Pass	Testing Complete

*PPB = parts per billion