Montgomery County Public Schools
Lead in Drinking Water Testing Report

Roberto Clemente Middle School
18808 Waring Station Rd.
Germantown, MD 20874

Report Date: December 19, 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 KCI Technologies Inc. is presented in the table below.

Sampling Date	11/08/2024
# of Outlets Tested	43
# 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 workplace 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 Roberto Clemente MS

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW03680	In Classroom 203	Faucet, Cold	<1.0	Pass	Testing Complete
LW03681	In Classroom 204	Faucet, Cold	<1.0	Pass	Testing Complete
LW03682	In Hallway Across from Health Room	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW03683	In Hallway Across from Health Room	Bubbler	<1.0	Pass	Testing Complete
LW03788	In Kitchen 253	Faucet, Cold	<1.0	Pass	Testing Complete
LW03789	In Kitchen 253	Commercial Kitchen Kettle, Cold	<1.0	Pass	Testing Complete
LW03790	In Kitchen 253	Commercial Kitchen Kettle, Cold	1.3	Pass	Testing Complete
LW03791	In Kitchen 253	Commercial Kitchen Kettle, Cold	1.8	Pass	Testing Complete
LW03792	In Kitchen 253	Faucet, Cold	<1.0	Pass	Testing Complete
LW03793	In Kitchen 253	Commercial Kitchen Kettle, Cold	1.6	Pass	Testing Complete
LW03794	In Kitchen 253	Commercial Kitchen Kettle, Cold	<1.0	Pass	Testing Complete
LW03795	In Kitchen 253	Faucet, Cold	<1.0	Pass	Testing Complete
LW03797	In Hallway Across from Room 236C	Bubbler	<1.0	Pass	Testing Complete
LW03803	In Classroom 223	Faucet, Cold	1.5	Pass	Testing Complete
LW03804	In Hallway Across from Room 217	Bubbler	<1.0	Pass	Testing Complete
LW03805	In Classroom 215	Faucet, Cold	<1.0	Pass	Testing Complete
LW03806	In Hallway Across from Room 150	Bubbler	<1.0	Pass	Testing Complete
LW03807	In Hallway Across from Room 150	Bubbler	<1.0	Pass	Testing Complete
LW03808	In Classroom 144	Faucet, Cold	<1.0	Pass	Testing Complete
LW03809	In Hallway Across from Room 117	Bubbler	<1.0	Pass	Testing Complete
LW03810	In Hallway Across from Room 117	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW03811	In Hallway Across from Boys Locker Room	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW10426	In Hallway Across from Room 236C	Bubbler	<1.0	Pass	Testing Complete
LW10428	In Hallway Across from Room 217	Bubbler	<1.0	Pass	Testing Complete
LW10445	In Boys Locker Room	Bubbler	<1.0	Pass	Testing Complete
LW10446	In Hallway Across from Boys Locker Room	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW10449	In Hallway Across from Health Room	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	4.0	Pass	Testing Complete
LW10450	In Classroom 253	Commercial Kitchen Kettle, Cold	1.0	Pass	Testing Complete
LW10451	In Classroom 253	Ice Machine (Stand Alone)	<1.0	Pass	Testing Complete
LW13489	In Classroom 228	Faucet, Cold	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW13490	In Classroom 238	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW13491	In Classroom 239	Faucet, Cold	3.0	Pass	Testing Complete
LW13492	In Classroom 210	Faucet, Cold	1.2	Pass	Testing Complete
LW13493	In Classroom 239	Faucet, Cold	2.8	Pass	Testing Complete
LW13494	In Hallway Across from Room 117	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
M13703	In Classroom 151	Faucet, Cold	<1.0	Pass	Testing Complete
M13706	In Classroom 123	Faucet, Cold	<1.0	Pass	Testing Complete
M13707	In Classroom 115	Faucet, Cold	1.4	Pass	Testing Complete
M13730	In Girls Locker Room	Bubbler	<1.0	Pass	Testing Complete
M13731	In Girls Locker Room	Bubbler	<1.0	Pass	Testing Complete
M40190	In Classroom 209	Faucet, Cold	<1.0	Pass	Testing Complete
M40194	In Hallway Next to Room 208	Bubbler	<1.0	Pass	Testing Complete
M40195	In Hallway Next to Room 208	Bubbler	1.5	Pass	Testing Complete

Montgomery County Public Schools
Lead in Drinking Water Testing Report

Roberto Clemente Middle School
18808 Waring Station Road
Germantown, MD 20874

Report Date: February 17th, 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	12/10/2021
# of Outlets Tested	38
# of Outlets ≥ 5 ppb	5

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 Roberto Clemente MS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW03680	In health room 203	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW03681	In work room 204	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW03682	In hallway next to cafeteria	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03683	In hallway next to cafeteria	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03788	In kitchen	Kitchen Sink	1.4	Pass	N/A	Testing Complete
LW03789	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW03790	In kitchen	Kitchen Sink	<4.4	Pass	N/A	Testing Complete
LW03791	In kitchen	Kitchen Sink	3.0	Pass	N/A	Testing Complete
LW03792	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW03793	In kitchen	Kitchen Sink	49.1	Fail	4.4	Testing Complete
LW03794	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW03795	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW03796	In classroom 235	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03797	In hallway adjacent to room 236	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03803	In assistant principal 223	Teacher's Lounge Sink	9.4	Fail	5.1	Testing Complete
LW03804	In hallway adjacent to room 217	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03806	In hallway adjacent to room 150	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03807	In hallway adjacent to room 150	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03808	In break room 144	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW03809	In hallway adjacent to room 117	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03810	In hallway adjacent to room 117	Drinking Fountain	12.4	Fail	2.2	Testing Complete
LW03811	In hallway next to gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10426	In hallway adjacent to 236	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10427	In classroom 238	Classroom Sink	<1	Pass	N/A	Testing Complete
LW10428	In hallway adjacent to classroom 217	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10445	In boy's locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10446	In hallway next to gym	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10447	In office 142	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW10449	In hallway next to cafeteria	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10450	In kitchen	Kitchen Sink	1.2	Pass	N/A	Testing Complete

LW10451	In kitchen	Ice Machine	<1	Pass	N/A	Testing Complete
M13703	In break room 151	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M13706	In break room 123	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M13707	In break room 115	Teachers Lounge Sink	6.2	Fail	<1	Testing Complete
M13731	In girl's locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
M40190	In break room next to CR 209	Teachers Lounge Sink	35.4	Fail	<1	Testing Complete
M40194	In hallway next to 208	Drinking Fountain	<1	Pass	N/A	Testing Complete
M40195	In hallway next to 208	Drinking Fountain	1.6	Pass	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

May 22, 2018

Executive Summary:
Roberto Clemente Middle School
18808 Waring Station Road
Germantown, Maryland 20784

Round of Testing:	Initial
# of Outlets Tested:	34
# of Outlets ≥20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	4.6

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

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May 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 #1214634193

Location: Roberto Clemente Middle School
18808 Waring Station Road
Germantown, Maryland 20784

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 Roberto Clemente Middle School, located at 18808 Waring Station Road in Germantown, Maryland 20784.

SCOPE OF SERVICES

KCI conducted lead in water testing at Roberto Clemente 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 4/18/2018 and 4/19/2018 to collect samples from 34 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 4/19/2018 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 Roberto Clemente Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03680	203	Health Room		Faucet	<1.0	Pass	Testing Complete
LW03681	204	Work Room		Faucet	<1.0	Pass	Testing Complete
LW03682		Hallway	Next To Cafeteria	Cooler	<1.0	Pass	Testing Complete
LW03683		Hallway	Next To Cafeteria	Cooler	<1.0	Pass	Testing Complete
LW03788		Kitchen		Faucet	1.6	Pass	Testing Complete
LW03789		Kitchen		Faucet	1.1	Pass	Testing Complete
LW03790		Kitchen		Faucet	3.1	Pass	Testing Complete
LW03791		Kitchen		Faucet	3.4	Pass	Testing Complete
LW03792		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03793		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03794		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03795		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03796	235	Classroom		Cooler	<1.0	Pass	Testing Complete
LW03797		Hallway	Across From Room236	Cooler	<1.0	Pass	Testing Complete
LW03798	239	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03799	239	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03800	239	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03802	239	Classroom		Faucet	1.7	Pass	Testing Complete
LW03803	223	Assistant Principal		Faucet	<1.0	Pass	Testing Complete
LW03804		Hallway	Across From Room 217	Cooler	<1.0	Pass	Testing Complete
LW03805	214	Break Room		Faucet	<1.0	Pass	Testing Complete
LW03806		Hallway	Across From Room 150	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03807		Hallway	Across From Room 150	Cooler	<1.0	Pass	Testing Complete
LW03808	144	Break Room		Faucet	<1.0	Pass	Testing Complete
LW03809		Hallway	Across From Room 117	Cooler	<1.0	Pass	Testing Complete
LW03810		Hallway	Across From Room 117	Cooler	<1.0	Pass	Testing Complete
LW03811		Hallway	Next To Gym	Cooler	<1.0	Pass	Testing Complete
M13703	151	Break Room		Faucet	<1.0	Pass	Testing Complete
M13706	123	Break Room		Faucet	<1.0	Pass	Testing Complete
M13707	115	Break Room		Faucet	4.6	Pass	Testing Complete
M40149	239	Classroom		Faucet	<1.0	Pass	Testing Complete
M40190		Break Room	Next to CR 209	Faucet	<1.0	Pass	Testing Complete
M40194		Hallway	Next to 208	Cooler	<1.0	Pass	Testing Complete
M40195		Hallway	Next to 208	Cooler	<1.0	Pass	Testing Complete

*PPB = parts per billion