Montgomery County Public Schools
Lead in Drinking Water Testing Report

William Tyler Page Elementary School
13400 Tamarack Road
Silver Spring, MD 20904

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	05/24/2022
# of Outlets Tested	54
# of Outlets ≥ 5 ppb	4

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 William Tyler Page ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW04438	In classroom A106	Classroom Combination Sink	3.2	Pass	N/A	Testing Complete
LW04440	In classroom A109	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW04442	In classroom A110	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04444	In classroom A111	Classroom Combination Sink	2.2	Pass	N/A	Testing Complete
LW04445	In reading G101	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04451	In classroom C-104	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04453	In hallway C104 by classroom ie. outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04454	In hallway by media center	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04455	In reading G101	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04456	In hallway A114 across from	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04458	In classroom C-103	Classroom Combination Drinking Fountain	2.8	Pass	N/A	Testing Complete
LW04459	In classroom C-103	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04460	In classroom C-102	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04461	In classroom C-102	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04462	In classroom C-101	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04463	In classroom C-101	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04465	In classroom A107	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
LW04466	In classroom A107	Classroom Combination Drinking Fountain	3.2	Pass	N/A	Testing Complete
LW04467	In classroom A108	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW04471	In day care A117	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04472	In day care A117	Classroom Combination Drinking Fountain	23.9	Fail	N/A	Testing Complete
LW04473	In hallway	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04474	In hallway	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04475	In hallway H209 across from	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04476	In classroom H209	Classroom Combination Sink	2.2	Pass	N/A	Testing Complete
LW04478	In classroom H208	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04479	In classroom H208	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04480	In team room	Teacher's Lounge Sink	2.2	Pass	N/A	Testing Complete
LW04481	In classroom H207	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04483	In classroom H203	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete

LW04484	In classroom H204	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
LW04485	In classroom H204	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05187	In health room	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW05188	In hallway by health room ie. across from	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05189	In Lob by by gymnasium ie. outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05190	In Lob by by cafeteria ie. outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05191	In hallway by media center ie. outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10835	In hallway across from classroom H209	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10836	In hallway by gymnasium	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10837	In hallway by cafeteria	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10838	In hallway by cafeteria	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10839	In hallway by cafeteria	Drinking Fountain	<1	Pass	N/A	Testing Complete
M35455	In classroom H206	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M35457	In classroom H205	Classroom Combination Sink	2.0	Pass	N/A	Testing Complete
M35458	In classroom H205	Classroom Combination Drinking Fountain	28.3	Fail	N/A	Testing Complete
M35459	In classroom H201	Classroom Combination Sink	2.4	Pass	N/A	Testing Complete
M35460	In classroom H201	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M35461	In classroom H202	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
M35462	In classroom H202	Classroom Combination Drinking Fountain	3.4	Pass	N/A	Testing Complete
M35463	In classroom H203	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M35467	In hallway H204 outside CR H204	Drinking Fountain	<1	Pass	N/A	Testing Complete
M35499	In resource center A114	Classroom Combination Sink	20.9	Fail	N/A	Testing Complete
M35500	In resource center A114	Classroom Combination Drinking Fountain	6.2	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

April 30, 2018

Executive Summary:
William Page Elementary School
13400 Tamarack Road
Silver Spring, Maryland 20904

Round of Testing:	Initial
# of Outlets Tested:	62
# of Outlets ≥20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	8.5

Project Status:
Initial testing complete: All results less than 20 ppb.

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April 30, 2018

Mr. Brian Mullikin, MS
Environmental Team Leader
Montgomery County Public Schools
Division of Maintenance
Gaithersburg, Maryland 20879

Re: Drinking Water Testing

KCI Job #1214634191

Location: William Page Elementary School
13400 Tamarack Road
Silver Spring, Maryland 20904

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 William Page Elementary School, located at 13400 Tamarack Road in Silver Spring, Maryland 20904.

SCOPE OF SERVICES

KCI conducted lead in water testing at William Page 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 4/4/2018 and 4/5/2018 to collect samples from 62 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 4/5/2018 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 William Page Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04438	A106	Classroom		Faucet	2.1	Pass	Testing Complete
LW04439	A109	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04440	A109	Classroom		Faucet	1.6	Pass	Testing Complete
LW04441	A110	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04442	A110	Classroom		Faucet	1.3	Pass	Testing Complete
LW04443	A111	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW04444	A111	Classroom		Faucet	4.4	Pass	Testing Complete
LW04445	G101	Reading		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04451	C-104	Classroom		Faucet	2.9	Pass	Testing Complete
LW04452	C-104	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW04453	C104	Hallway Classroom	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04454		Hallway Media Center		Cooler	<1.0	Pass	Testing Complete
LW04455	G101	Reading		Faucet	<1.0	Pass	Testing Complete
LW04456	A114	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04458	C-103	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW04459	C-103	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04460	C-102	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04461	C-102	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04462	C-101	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04463	C-101	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04464	A106	Classroom		Bubbler - Indoor	8.1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04465	A107	Classroom		Faucet	1.3	Pass	Testing Complete
LW04466	A107	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04467	A108	Classroom		Faucet	1.6	Pass	Testing Complete
LW04468	A108	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04469	A116	Classroom		Faucet	2.4	Pass	Testing Complete
LW04470	A116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04471	A117	Day Care		Faucet	<1.0	Pass	Testing Complete
LW04472	A117	Day Care		Bubbler - Indoor	1.2	Pass	Testing Complete
LW04473		Hallway		Cooler	<1.0	Pass	Testing Complete
LW04474		Hallway		Cooler	<1.0	Pass	Testing Complete
LW04475	H209	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04476	H209	Classroom		Faucet	1.4	Pass	Testing Complete
LW04477	H209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04478	H208	Classroom		Faucet	1.7	Pass	Testing Complete
LW04479	H208	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW04480		Team Room		Faucet	<1.0	Pass	Testing Complete
LW04481	H207	Classroom		Faucet	3.3	Pass	Testing Complete
LW04482	H207	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04483	H203	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04484	H204	Classroom		Faucet	1.9	Pass	Testing Complete
LW04485	H204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05187		Health Room		Faucet	<1.0	Pass	Testing Complete
LW05188		Hallway Health Room	Across From	Cooler	<1.0	Pass	Testing Complete
LW05189		Lobby Gymnasium	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW05190		Lobby Cafeteria	Outside Of	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW05191		Hallway Media Center	Outside Of	Cooler	<1.0	Pass	Testing Complete
M35455	H206	Classroom		Faucet	1.5	Pass	Testing Complete
M35457	H205	Classroom		Faucet	<1.0	Pass	Testing Complete
M35458	H205	Classroom		Bubbler - Indoor	3.2	Pass	Testing Complete
M35459	H201	Classroom		Faucet	1.5	Pass	Testing Complete
M35460	H201	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M35461	H202	Classroom		Faucet	<1.0	Pass	Testing Complete
M35462	H202	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
M35463	H203	Classroom		Faucet	<1.0	Pass	Testing Complete
M35467	H204	Hallway	Outside Cr H204	Cooler	<1.0	Pass	Testing Complete
M35499	A114	Resource Center		Faucet	2.7	Pass	Testing Complete
M35500	A114	Resource Center		Bubbler - Indoor	<1.0	Pass	Testing Complete
M36199		Kitchen		Faucet	8.5	Pass	Testing Complete
M36200		Kitchen		Faucet	4.3	Pass	Testing Complete
M36201		Kitchen		Faucet	<1.0	Pass	Testing Complete
M36202		Kitchen		Faucet	1.5	Pass	Testing Complete

*PPB = parts per billion