

Montgomery County Public Schools Lead in Drinking Water Testing Report

Kensington Parkwood Elementary School
4710 Saul Road
Kensington, MD 20895

Report Date: August 23rd, 2023

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	4/14/23
# of Outlets Tested	63
# of Outlets \geq 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 Kensington Parkwood ES

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW03906	In classroom 201	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03907	In hallway left of 203 bathroom	Drinking Fountain	<1.0	Pass	Testing Complete
LW03908	In hallway left of 203 bathroom	Drinking Fountain	<1.0	Pass	Testing Complete
LW03909	In hallway left of 203 bathroom	Drinking Fountain	<1.0	Pass	Testing Complete
LW03911	In classroom 202	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03913	In classroom 206	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03915	In classroom 208	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03917	In classroom 212	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03919	In classroom 214	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03921	In classroom 219	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03923	In classroom 213	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03925	In classroom 211	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03926	In classroom 207	Classroom Combination Sink	<1.0	Pass	Testing Complete
LW03927	In classroom 207	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03928	In hallway between Bathrooms 42/43	Drinking Fountain	<1.0	Pass	Testing Complete
LW03929	In hallway between 42 and 43 Bath	Drinking Fountain	<1.0	Pass	Testing Complete
LW03930	In hallway between 42 and 43 Bath	Drinking Fountain	<1.0	Pass	Testing Complete
LW03932	In classroom 40	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03934	In classroom 36	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW03936	In classroom 34	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03938	In classroom 31	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03941	In classroom 35	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03943	In classroom 39	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW04803	In hallway adjacent to classroom 117	Drinking Fountain	<1.0	Pass	Testing Complete
LW04804	In hallway 13	Drinking Fountain	<1.0	Pass	Testing Complete
LW04815	In hallway 117	Drinking Fountain	1.4	Pass	Testing Complete
LW04817	In classroom 112	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW04818	In hallway adjacent to classroom 138	Drinking Fountain	<1.0	Pass	Testing Complete
LW04822	In classroom 144	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW04825	In day care 170	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW08257	In hallway by Room 13	Drinking Fountain	<1.0	Pass	Testing Complete
LW08258	In hallway by Room 13	Drinking Fountain	<1.0	Pass	Testing Complete
LW08259	In hallway by room 13	Drinking Fountain	<1.0	Pass	Testing Complete
M06889	In classroom 115	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06891	In classroom 111	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06899	In health room 102	Nurses Office Sink	<1.0	Pass	Testing Complete
M06903	In break room 127	Teachers Lounge Sink	<1.0	Pass	Testing Complete
M06905	In classroom 137	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06907	In classroom 139 by lab	Classroom Combination Drinking Fountain	3.2	Pass	Testing Complete
M06908	In classroom 130	Classroom Combination Sink	<1.0	Pass	Testing Complete
M06909	In classroom 130	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06911	In classroom 134	Classroom Combination Drinking Fountain	1.9	Pass	Testing Complete
M06913	In classroom 141	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
M06915	In classroom 145	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06921	In hallway adjacent to classroom 149	Drinking Fountain	<1.0	Pass	Testing Complete
M06927	In classroom 151	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06929	In classroom 155	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06933	In classroom 154	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06946	In hallway adjacent to room 162	Drinking Fountain	<1.0	Pass	Testing Complete
M06949	In classroom 164	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06952	In classroom 168	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06955	In classroom 167	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06957	In classroom 171	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06959	In classroom 172	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06962	In classroom 175	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06964	In classroom 179	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06969	In classroom 1	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06973	In classroom 5	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M06983	In kitchen	Kitchen Sink	<1.0	Pass	Testing Complete
M06986	In kitchen	Kitchen Sink	<1.0	Pass	Testing Complete
M06987	In kitchen	Kitchen Sink	<1.0	Pass	Testing Complete
M06988	In kitchen	Ice Machine	<1.0	Pass	Testing Complete
LW04823	In hallway adjacent to classroom 165	Drinking Fountain	<1.0	Pass	Testing Complete

Montgomery County Public Schools Lead in Drinking Water Testing Report

Kensington Parkwood Elementary School
4710 Saul Road
Kensington, MD 20895

Report Date: March 27th, 2020

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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	2/26/2020
# of Outlets Tested	113
# of Outlets \geq 5 ppb	1

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. Due to the Stay-at-Home Order to combat the spread of COVID-19 (coronavirus), no follow-up samples were collected. 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.

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ADDITIONAL INFORMATION

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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 Kensington-Parkwood ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW03905	In classroom 201	Classroom Combination Sink	4.0	Pass	N/A	Testing Complete
LW03906	In classroom 201	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03907	In hallway left of 203 bathroom	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03908	In hallway left of 203 bathroom	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03909	In hallway left of 203 bathroom	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03910	In classroom 202	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03911	In classroom 202	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03912	In classroom 206	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW03913	In classroom 206	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03914	In classroom 208	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03915	In classroom 208	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03916	In classroom 212	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03917	In classroom 212	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03918	In classroom 214	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03919	In classroom 214	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03920	In classroom 219	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03921	In classroom 219	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03922	In classroom 213	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03923	In classroom 213	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03924	In classroom 211	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03925	In classroom 211	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03926	In classroom 207	Classroom Combination Sink	2.2	Pass	N/A	Testing Complete
LW03927	In classroom 207	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03928	In hallway between Bathrooms 42/43	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03929	In hallway between 42 and 43 Bath	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03930	In hallway between 42 and 43 Bath	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03931	In classroom 40	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW03932	In classroom 40	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03933	In classroom 36	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03934	In classroom 36	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03935	In classroom 34	Classroom Combination Sink	1.3	Pass	N/A	Testing Complete
LW03936	In classroom 34	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03937	In classroom 31	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03938	In classroom 31	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03939	In classroom 31	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03940	In classroom 35	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03941	In classroom 35	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03942	In classroom 39	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03943	In classroom 39	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04803	In hallway adjacent to classroom 117	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04804	In hallway 13 across from	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04815	In hallway 117 outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04816	In classroom 112	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04817	In classroom 112	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04818	In hallway adjacent to classroom 138	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04819	In classroom 140	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04820	In classroom 140	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04821	In classroom 144	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04822	In classroom 144	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04824	In day care 170	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW04825	In day care 170	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06888	In classroom 115	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06889	In classroom 115	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06890	In classroom 111	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06891	In classroom 111	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06892	In classroom 108	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06893	In classroom 108	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06894	In work room 103 by media center	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

M06895	In work room 104	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06899	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M06903	In break room 127	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M06904	In classroom 137	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06905	In classroom 137	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06907	In classroom 139 by lab	Classroom Combination Drinking Fountain	5.8	Fail	NC	Remediation Action Plan
M06908	In classroom 130	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06909	In classroom 130	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06910	In classroom 134	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06911	In classroom 134	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06912	In classroom 141	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06913	In classroom 141	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06914	In classroom 145	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06915	In classroom 145	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06921	In hallway adjacent to classroom 149	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06926	In classroom 151	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06927	In classroom 151	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06928	In classroom 155	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06929	In classroom 155	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06932	In classroom 154	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06933	In classroom 154	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06934	In classroom 156	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06935	In classroom 156	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06937	In classroom 157	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06938	In classroom 157	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06939	In classroom 161	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06946	In hallway adjacent to room 162	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06948	In classroom 164	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06949	In classroom 164	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06951	In classroom 168	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06952	In classroom 168	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete

M06954	In classroom 167	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06955	In classroom 167	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06956	In classroom 171	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06957	In classroom 171	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06958	In classroom 172	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06959	In classroom 172	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06960	In classroom 176	Classroom Sink	<1	Pass	N/A	Testing Complete
M06961	In classroom 175	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06962	In classroom 175	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06963	In classroom 179	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06964	In classroom 179	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06968	In conference 12	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06969	In classroom 1	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06970	In classroom 1	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06972	In classroom 5	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M06973	In classroom 5	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06983	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M06985	In kitchen	Kitchen Sink	1.6	Pass	N/A	Testing Complete
M06986	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M06987	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M06988	In kitchen	Ice Machine	<1	Pass	N/A	Testing Complete
LW08257	In hallway by Room 13	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08259	In hallway by room 13	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08258	In hallway by Room 13	Drinking Fountain	<1	Pass	N/A	Testing Complete

NC - Not Collected (No follow-up sample collected due to COVID-19 (Coronavirus) Stay-at-Home Order.)



October 30, 2019

Mr. Brian Mullikin, MS
Environmental Team Leader
Montgomery County Public Schools
8301 Turkey Thicket Dr., Bldg A, 1st Floor
Gaithersburg, Maryland 20879

Re: Lead in Water Post-Remediation Follow-up Testing Service

Location: Kensington-Parkwood Elementary School

4710 Saul Road
Kensington, Maryland 20895

Dear Mr. Mullikin:

Post-remediation follow-up testing was not conducted. Outlet (M06895) in Work Room 104 was taken out of service.

RESULTS

The initial and flush results are highlighted in the summary table below:

Barcode ID	Room Number	Location	Notes	Equipment Type	Initial (ppb)	Flush (ppb)	Post-Remediation Follow-up (ppb)	Post-Remediation Follow-up Pass/Fail	Status
M06895	104	Work Room		Faucet	27.9	3.1	N/A*	N/A*	Taken out of service

* Fixture taken out of service

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.).



ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

936 RIDGEBROOK ROAD • SPARKS, MD 21152 • 410-316-7800 • (FAX) 410-316-7935

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. The Environmental Protection Agency (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.

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.

A handwritten signature in dark ink, appearing to read 'Kamau McAbee', is written in a cursive style.

Kamau McAbee
MDE Certified Water Sampler #8281KM
KCI Job #1214634186



Montgomery County Public Schools Lead in Drinking Water Testing 2018

April 27, 2018

Executive Summary:

Kensington-Parkwood Elementary School

4710 Saul Road

Kensington, Maryland 20895

Round of Testing:	Initial
# of Outlets Tested:	74
# of Outlets ≥ 20 ppb:	1
Low Value (ppb):	<1.0
High Value (ppb):	27.9
Follow-Up Testing Required (Samples ≥ 20 ppb):	Work Room (27.9 ppb)

Round of Testing:	Follow-Up - 30 sec draw
# of Outlets Tested:	1

Project Status:

Testing Complete: Remediation Plan

Work Room - Replace fixture (M06895), in addition to supply line and valve located under sink



April 27, 2018

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

Re: Drinking Water Testing

KCI Job #1214634189

Location: Kensington-Parkwood Elementary School

4710 Saul Road
Kensington, Maryland 20895

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 and follow-up lead in water testing at Kensington-Parkwood Elementary School, located at 4710 Saul Road in Kensington, Maryland 20895.

SCOPE OF SERVICES

KCI conducted lead in water testing at Kensington-Parkwood 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 3/5/2018 and 3/7/2018 to collect samples from 74 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. On 4/12/2018, one 30 second follow-up sample was collected.

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 was one result of the lead in water analysis at or above 20 parts per billion (ppb) and subsequent follow up 30 second results are highlighted in the summary table below:

Barcode ID	Sample Location	Date Collected	Initial Sample Result (ppb)	Date Collected	30 Second Follow Up Sample Result (ppb)
M06895	Faucet - Work Room	3/7/208	27.9	4/12/2018	3.1

The initial lead in water sample results (3/7/208) and 30 second follow up results (4/12/2018) 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.

Initial Sample Results for Kensington-Parkwood Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04803	117	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04804	13	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04815	117	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04816	112	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04817	112	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04818	149	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04819	140	Classroom		Faucet	2.5	Pass	Testing Complete
LW04820	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04821	144	Classroom		Faucet	1.0	Pass	Testing Complete
LW04822	144	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04823	165	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04824	170	Day Care		Faucet	<1.0	Pass	Testing Complete
M06888	115	Classroom		Faucet	<1.0	Pass	Testing Complete
M06889	115	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06890	111	Classroom		Faucet	<1.0	Pass	Testing Complete
M06891	111	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06892	108	Classroom		Faucet	<1.0	Pass	Testing Complete
M06893	108	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06894	103	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M06895	104	Work Room		Faucet	27.9	Fail	Follow-Up Testing Needed
M06899	102	Health Room Health		Faucet	<1.0	Pass	Testing Complete
M06903	127	Break Room		Faucet	<1.0	Pass	Testing Complete
M06904	137	Classroom		Faucet	2.0	Pass	Testing Complete
M06905	137	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M06906	139	Classroom		Faucet	8.1	Pass	Testing Complete
M06907	139	Classroom		Bubbler - Indoor	4.7	Pass	Testing Complete
M06908	130	Classroom		Faucet	<1.0	Pass	Testing Complete
M06909	130	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06910	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06911	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06912	141	Classroom		Faucet	<1.0	Pass	Testing Complete
M06913	141	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06914	145	Classroom		Faucet	<1.0	Pass	Testing Complete
M06915	145	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06921	149	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M06926	151	Classroom		Faucet	<1.0	Pass	Testing Complete
M06927	151	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06928	155	Classroom		Faucet	<1.0	Pass	Testing Complete
M06929	155	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06932	154	Classroom		Faucet	1.0	Pass	Testing Complete
M06933	154	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06934	156	Classroom		Faucet	<1.0	Pass	Testing Complete
M06935	156	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06937	157	Classroom		Faucet	<1.0	Pass	Testing Complete
M06938	157	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06939	161	Classroom		Faucet	<1.0	Pass	Testing Complete
M06946	162	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M06948	164	Classroom		Faucet	<1.0	Pass	Testing Complete
M06949	164	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06951	168	Classroom		Faucet	<1.0	Pass	Testing Complete
M06952	168	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M06954	167	Classroom		Faucet	<1.0	Pass	Testing Complete
M06955	167	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06956	171	Classroom		Faucet	<1.0	Pass	Testing Complete
M06957	171	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06958	172	Classroom		Faucet	<1.0	Pass	Testing Complete
M06959	172	Classroom		Bubbler - Outdoor	<1.0	Pass	Testing Complete
M06960	176	Classroom		Faucet	<1.0	Pass	Testing Complete
M06961	175	Classroom		Faucet	<1.0	Pass	Testing Complete
M06962	175	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06963	179	Classroom		Faucet	<1.0	Pass	Testing Complete
M06964	179	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06967	10	Office		Faucet	6.8	Pass	Testing Complete
M06968	12	Conference		Faucet	1.3	Pass	Testing Complete
M06969	1	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06970	1	Classroom		Faucet	<1.0	Pass	Testing Complete
M06972	5	Classroom		Faucet	<1.0	Pass	Testing Complete
M06973	5	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M06983		Kitchen		Faucet	<1.0	Pass	Testing Complete
M06984		Kitchen		Faucet	5.4	Pass	Testing Complete
M06985		Kitchen		Faucet	3.7	Pass	Testing Complete
M06986		Kitchen		Faucet	<1.0	Pass	Testing Complete
M06987		Kitchen		Faucet	<1.0	Pass	Testing Complete
M06988	15	Kitchen		Ice Maker	<1.0	Pass	Testing Complete

*PPB = parts per billion

Contractor: KCI Technologies, Inc.
Certified Laboratory: Microbac Laboratories, Inc.

Follow Up Sample Result for Kensington-Parkwood Elementary School

Barcode ID	Room #	Location	Equipment Type	Initial Draw (2nd) (PPB)	Initial Draw (3rd) (PPB)	30 Second Draw (PPB)*	Status
M06895	104	Work Room	Faucet	1.8	1630	3.1	Remediation required – replace fixture, in addition to supply line and valve located under sink

*PPB = parts per billion

Note: Fixture(s) with elevated test results were immediately removed from service. Subsequent 2nd and 3rd round testing was performed on these fixture(s) for further diagnostics for remediation. Because the fixture was shut off after the first test, the subsequent test results may not be representative of an in-use fixture because of stagnant water in the supply line and the operation of shut off valves prior to the tests. All fixtures with elevated test results are to be remediated. After remediation, post remediation testing will be conducted before the fixture is returned to service.