Montgomery County Public Schools
Lead in Drinking Water Testing Report

Highland Elementary School
3100 Medway St
Silver Spring, MD 20902

Report Date: January 25, 2026

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 Environmental Consulting Services, LLC is presented in the table below.

Sampling Date	12/12/2025
# of Outlets Tested	21
# of Outlets ≥ 5 ppb	3

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 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-Highland ES					
Outlet Barcode	**Outlet Location**	**Outlet Type**	**Initial Results (ppb)**	**Pass/Fail**	**Status**
LW00968	In kitchen by all purpose room LTR 1 of 4	Multiple Compartment Sink - Faucet, Cold	<1.0	Pass	Testing Complete
LW00969	In kitchen by all purpose room LTR 4 of 4	Faucet, Cold	2.3	Pass	Testing Complete
LW00970	In hallway outside of kitchen	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW00974	In break room across from Suite B	Faucet, Cold	<1.0	Pass	Testing Complete
LW00977	In special ed 9A LTR 2 of 2	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	7.3	Fail	Remediation Action Plan
LW00980	In Preschool 8 LTR 2 of 2	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	2.2	Pass	Testing Complete
LW00981	In health room H104	Faucet, Cold	<1.0	Pass	Testing Complete
LW00990	In kindergarten 2	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW01009	In health room H107 inside of H104	Faucet, Cold	9.0	Fail	Remediation Action Plan
LW01010	In lab H113 by health room ie. inside of H104	Faucet, Cold	1.4	Pass	Testing Complete
LW01011	In health room H111 by health ie. inside of H104	Faucet, Cold	<1.0	Pass	Testing Complete
LW01012	In health room H110 by health ie. inside of H104	Faucet, Cold	3.2	Pass	Testing Complete
LW01024	In classroom 14 LTR 2 of 2	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	5.0	Fail	Remediation Action Plan
LW01045	In hallway across from elevator- lower level	Drinking Water Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW01061	In music 29 lower level LTR 2 of 2	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	4.7	Pass	Testing Complete
LW01064	In hallway across from stair #1	Drinking Water Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW12894	Hallway next to Staff Lounge	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW12895	Hallway next to Staff lounge	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW12896	Outside kitchen	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
M03913	In kitchen by all purpose room LTR 2 of 4	Multiple Compartment Sink - Faucet, Cold	<1.0	Pass	Testing Complete
M03914	In kitchen by all purpose room	Commercial Sprayer, Cold	2.4	Pass	Testing Complete

Montgomery County Public Schools
Lead in Drinking Water Testing Report

Highland Elementary School
3100 Medway Street
Silver Spring, MD 20902

Report Date: July 24th, 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	5/4/23
# of Outlets Tested	20
# of Outlets ≥ 5 ppb	1

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 forlead.

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 Highland ES

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW00968	In kitchen by all purpose room	Kitchen Sink	<1.0	Pass	Testing Complete
LW00969	In kitchen by all purpose room	Kitchen Sink	1.1	Pass	Testing Complete
LW00970	In hallway outside of kitchen	Drinking Fountain	<1.0	Pass	Testing Complete
LW00974	In break room across from Suite B	Teachers Lounge Sink	<1.0	Pass	Testing Complete
LW00977	In special ed 9A	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW00980	In Preschool 8	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW00981	In health room H104	Nurses Office Sink	<1.0	Pass	Testing Complete
LW01009	In health room H107 inside of H104	Nurses Office Sink	5.5	Fail	Remediation Action Plan
LW01010	In lab H113 by health room ie. inside of H104	Nurses Office Sink	<1.0	Pass	Testing Complete
LW01011	In health room H111 inside of H104	Nurses Office Sink	<1.0	Pass	Testing Complete
LW01012	In health room H110 inside of H104	Nurses Office Sink	1.2	Pass	Testing Complete
LW01024	In classroom 14	Classroom Combination Drinking Fountain	2.3	Pass	Testing Complete
LW01061	In music 29 lower level	Classroom Combination Drinking Fountain	2.3	Pass	Testing Complete
LW01064	In hallway across from gym	Drinking Fountain	<1.0	Pass	Testing Complete
M03913	In kitchen by all purpose room	Kitchen Sink	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW00990	In kindergarten 2	Classroom Combination Drinking Fountain	1.6	Pass	Testing Complete
LW12894	Hallway next to Staff Lounge	Drinking Fountain	<1.0	Pass	Testing Complete
LW12895	Hallway next to Staff lounge	Drinking Fountain	<1.0	Pass	Testing Complete
LW12896	In hallway outside of kitchen	Drinking Fountain	<1.0	Pass	Testing Complete
M03914	In kitchen by all purpose room	Kitchen Sink	1.1	Pass	Testing Complete

Montgomery County Public Schools
Lead in Drinking Water Testing Report

Highland Elementary School
3100 Medway Street
Wheaton, MD 20902

Report Date: March 29th, 2020

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	2/12/2020
# of Outlets Tested	83
# of Outlets ≥ 5 ppb	6

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.

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 Highland ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW00968	In kitchen by all purpose room	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW00969	In kitchen by all purpose room	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW00970	In hallway outside of kitchen	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00971	In math "math closet"	Classroom Sink	<1	Pass	N/A	Testing Complete
LW00972	In Testing room Suite B Testing closet-Old Hr	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00973	In administration main office	Drinking Fountain	2.8	Pass	N/A	Testing Complete
LW00974	In break room across from Suite B	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW00975	In hallway next to staff lounge	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00976	In special ed 9A	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00977	In special ed 9A	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00978	In classroom 9	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00979	In Preschool 8	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00980	In Preschool 8	Classroom Combination Drinking Fountain	42.2	Fail	NC	Remediation Action Plan
LW00981	In health room H104	Nurses Office Sink	2.5	Pass	N/A	Testing Complete
LW00983	In kindergarten 1	Classroom Combination Sink	3.2	Pass	N/A	Testing Complete
LW00985	In kindergarten 1	Classroom Combination Sink	5.0	Fail	NC	Remediation Action Plan
LW00987	In kindergarten 3	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00988	In kindergarten 3	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00989	In kindergarten 2	Classroom Combination Sink	1.5	Pass	N/A	Testing Complete
LW00991	In kindergarten 2	Classroom Combination Sink	3.1	Pass	N/A	Testing Complete
LW00993	In kindergarten 4	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00994	In kindergarten 4	Classroom Combination Drinking Fountain	2.4	Pass	N/A	Testing Complete
LW00995	In kindergarten 4	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00997	In kindergarten 5	Classroom Combination Sink	2.6	Pass	N/A	Testing Complete
LW00999	In kindergarten 5	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01000	In kindergarten 5	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01001	In Preschool 6	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01002	In Preschool 6	Classroom Combination Drinking Fountain	2.2	Pass	N/A	Testing Complete
LW01003	In Preschool 6	Classroom Combination Sink	6.1	Fail	NC	Remediation Action Plan

LW01004	In Preschool 6	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01005	In classroom 7 head start	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01006	In classroom 7 head start	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01007	In classroom 7 head start	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
LW01008	In classroom 7 head start	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01009	In health room H107 inside of H104	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW01010	In lab H113 by health room ie. inside of H104	Nurses Office Sink	2.7	Pass	N/A	Testing Complete
LW01011	In health room H111 by health ie. inside of H104	Nurses Office Sink	3.8	Pass	N/A	Testing Complete
LW01012	In health room H110 by health ie. inside of H104	Nurses Office Sink	5.4	Fail	NC	Remediation Action Plan
LW01013	In classroom 10	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01014	In classroom 10	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01016	In classroom 11	Classroom Combination Drinking Fountain	3.7	Pass	N/A	Testing Complete
LW01019	In classroom 12	Classroom Combination Sink	2.2	Pass	N/A	Testing Complete
LW01021	In classroom 13	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01022	In classroom 13	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01023	In classroom 14	Classroom Combination Sink	2.1	Pass	N/A	Testing Complete
LW01024	In classroom 14	Classroom Combination Drinking Fountain	3.3	Pass	N/A	Testing Complete
LW01025	In reading 13A	Classroom Combination Sink	1.9	Pass	N/A	Testing Complete
LW01026	In reading 13A	Classroom Combination Drinking Fountain	2.9	Pass	N/A	Testing Complete
LW01027	In ESOL 13B	Classroom Sink	2.9	Pass	N/A	Testing Complete
LW01028	In classroom 14A	Classroom Sink	<1	Pass	N/A	Testing Complete
LW01029	In classroom MU	Classroom Sink	2.2	Pass	N/A	Testing Complete
LW01030	In hallway across from elevator	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01031	In classroom 21	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01033	In classroom 19	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01034	In classroom 19	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01035	In classroom 20	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01036	In classroom 20	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01037	In classroom 18	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01038	In classroom 18	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01039	In classroom 17	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
LW01041	In classroom 16	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete

LW01043	In classroom 15	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01045	In hallway across from elevator- lower level	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01046	In classroom 28 lower level	Classroom Combination Sink	1.7	Pass	N/A	Testing Complete
LW01048	In classroom 27 lower level	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01049	In classroom 27 lower level	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01050	In classroom 26 lower level	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01051	In classroom 26 lower level	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01052	In classroom 25 lower level	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01053	In classroom 25 lower level	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01054	In classroom 24 lower level	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01055	In classroom 24 lower level	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01056	In classroom 23 lower level	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01057	In classroom 23 lower level	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01058	In classroom 22 lower level	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
LW01059	In classroom 22 lower level	Classroom Combination Drinking Fountain	1.8	Pass	N/A	Testing Complete
LW01060	In music 29 lower level	Classroom Combination Sink	13.2	Fail	NC	Remediation Action Plan
LW01061	In music 29 lower level	Classroom Combination Drinking Fountain	5.4	Fail	NC	Remediation Action Plan
LW01062	In classroom 30 lower level	Classroom Combination Sink	1.9	Pass	N/A	Testing Complete
LW01063	In classroom 30 lower level	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01064	In hallway across from gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
M03913	In kitchen by all purpose room	Kitchen Sink	<1	Pass	N/A	Testing Complete
M03986	In work room by media center	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

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

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
Post-Remediation Follow-Up Testing 2019

August 30, 2019

Executive Summary:
Highland Elementary School
3100 Medway Street
Wheaton, Maryland 20902

Round of Testing:	Post-Remediation Follow-up
Sample Date	1/29/19
# of Outlets Tested:	1
# of Outlets ≥5 ppb:	0
Low Value (ppb):	1.5
High Value (ppb):	1.5

Project Status

Testing Complete: Post-remediation follow-up testing completed for following rooms:

Classroom 12 - Outlet (LW01019) will be placed back into service

KCI TECHNOLOGIES
ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS
936 RIDGEBROOK ROAD • SPARKS, MD 21152 • 410-316-7800 • (FAX) 410-316-7935

August 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: Highland Elementary School
3100 Medway Street
Wheaton, Maryland 20902

Dear Mr. Mullikin:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of the post-remediation follow-up lead in water testing at Highland Elementary School, located at 3100 Medway Street in Wheaton, Maryland 20902.

SCOPE OF SERVICES

One drinking water outlet was remediated at Highland Elementary School due to initial lead levels that exceeded the lead action level of 5 parts per billion (ppb). KCI Technologies, Inc. conducted lead in water post-remediation follow-up testing in accordance with the Maryland Code of Regulations (COMAR) 26.16.07 - Lead in Drinking Water - Public and Nonpublic Schools.

KCI Technologies, Inc. visited the site on 1/29/19 to collect a post-remediation follow-up sample from 1 drinking water outlet that had been replaced. The sample was 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

The initial, flush, and post-remediation follow-up 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
LW01019	12	Classroom		Faucet	75.5	1.0	1.5	Pass	Post-remediation follow-up testing complete. Outlet will be placed back into 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.).

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.

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

MONTGOMERY COUNTY PUBLIC SCHOOLS DRINKING WATER TESTING 2018

May 3, 2018

Executive Summary:
Highland Elementary School
3100 Medway Street
Silver Spring, MD 20902

Round of Testing:	Initial
# of Outlets Tested:	94
# of Outlets ≥ 20 ppb:	1
Low Value (ppb):	< 1.0
High Value (ppb):	75.5
Follow-Up Testing Required (Samples ≥ 20 ppb):	Classroom 12 (75.5 ppb)

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

Project Status
Testing Complete: Remediation Plan

Classroom 12 – Replace fixture (LW01019), in addition to supply line and valve located under sink

May 3, 2018

Mr. Brian Mullikin
Environmental Team Leader
Montgomery County Public Schools
8301 Turkey Thicket Drive
Building A, First Floor
Gaithersburg, Maryland 20879

Re: Lead in Water Testing Service

Location: Highland Elementary School
3100 Medway Street
Silver Spring, MD 20902

Dear Mr. Mullikin:

Professional Services Industries (PSI), Inc. is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of initial lead in water testing at Highland Elementary School, located at 3100 Medway Street in Silver Spring, MD 20902.

Scope of Services:

PSI conducted lead in water testing at Highland 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.

PSI visited the site on 02/15/18, 02/16/18, 02/20/18, and 02/21/18 to collect samples from 94 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. One 30 second follow-up 30 second sample was collected on 4/12/18.

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 initial 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)
LW01019	Classroom 12	2/15/2018	75.5	4/12/18	1.0

The initial lead in water sample results (02/16/18 and 02/21/18) and 30 second follow up results (4/12/18) are shown in Attachment A.

Discussion:

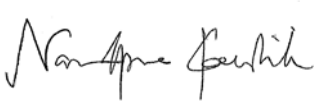
Lead is a naturally occurring element that can be harmful to humans when ingested or inhaled, particularly to children under the age of six. Lead can adversely affect the development of children's brain potentially leading to detrimental alterations in intelligence and behavior. Lead has been historically 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,

PROFESSIONAL SERVICE INDUSTRIES, INC.



Nand Kaushik, P.E.
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Attachments: A – Lead in Water Test Summary Table

ATTACHMENT A

Highland ES Water Test Summary Table

Contractor: Professional Services Industries, Inc.
Certified Laboratory: Microbac Laboratories, Inc.

Initial Sample Results for Highland Elementary School (2/15/18)

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW00968		Kitchen		Faucet	1.2	Pass	Testing Complete
LW00969		Kitchen		Faucet	1.9	Pass	Testing Complete
LW00970		Hallway	Outside Of Kitchen	Cooler	<1.0	Pass	Testing Complete
LW00971		Math	Math Closet	Faucet	<1.0	Pass	Testing Complete
LW00972		Testing Room	Suite B Testing Closet- Old HR	Faucet	<1.0	Pass	Testing Complete
LW00973		Administration	Main Office	Cooler	<1.0	Pass	Testing Complete
LW00974		Break Room	Across From Suite B	Faucet	<1.0	Pass	Testing Complete
LW00975		Hallway	Next To Staff Lounge	Cooler	<1.0	Pass	Testing Complete
LW00976	9A	Special Ed		Faucet	<1.0	Pass	Testing Complete
LW00977	9A	Special Ed		Bubbler - Indoor	1.4	Pass	Testing Complete
LW00978	9	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00979	8	Preschool		Faucet	2.3	Pass	Testing Complete
LW00980	8	Preschool		Bubbler - Indoor	1.4	Pass	Testing Complete
LW00981	H104	Health Room		Faucet	<1.0	Pass	Testing Complete
LW00982		Hallway	Right Of Room 1	Cooler	<1.0	Pass	Testing Complete
LW00983	1	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW00985	1	Kindergarten		Faucet	1.3	Pass	Testing Complete
LW00987	3	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW00988	3	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00989	2	Kindergarten		Faucet	1.9	Pass	Testing Complete
LW00990	2	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW00991	2	Kindergarten		Faucet	4.8	Pass	Testing Complete
LW00992	2	Kindergarten		Bubbler - Indoor	5.0	Pass	Testing Complete
LW00993	4	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW00994	4	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00995	4	Kindergarten		Faucet	2.4	Pass	Testing Complete
LW00997	5	Kindergarten		Faucet	1.5	Pass	Testing Complete
LW00999	5	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW01000	5	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01001	6	Preschool		Faucet	1.8	Pass	Testing Complete
LW01002	6	Preschool		Bubbler - Indoor	4.1	Pass	Testing Complete
LW01003	6	Preschool		Faucet	1.2	Pass	Testing Complete
LW01004	6	Preschool		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01005	7	Classroom	Head Start	Faucet	1.5	Pass	Testing Complete
LW01006	7	Classroom	Head Start	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01007	7	Classroom	Head Start	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01008	7	Classroom	Head Start	Bubbler - Indoor	1.2	Pass	Testing Complete
LW01009	H107	Health Room	Inside Of H104	Faucet	2.9	Pass	Testing Complete
LW01010	H113	Health Room	Inside Of H104	Faucet	1.4	Pass	Testing Complete
LW01011	H111	Health Room	Inside Of H104	Faucet	1.2	Pass	Testing Complete
LW01012	H110	Health Room	Inside Of H104	Faucet	1.7	Pass	Testing Complete
LW01013	10	Classroom		Faucet	4.7	Pass	Testing Complete
LW01014	10	Classroom		Bubbler - Indoor	1.6	Pass	Testing Complete
LW01015	11	Classroom		Faucet	5.1	Pass	Testing Complete
LW01016	11	Classroom		Bubbler - Indoor	1.9	Pass	Testing Complete
LW01017		Classroom	Grade 2 - Computer Lab	Faucet	8.7	Pass	Testing Complete
LW01018		Classroom	Grade 2 - Computer Lab	Bubbler - Indoor	5.8	Pass	Testing Complete
LW01019	12	Classroom		Faucet	75.5	Fail	Follow-Up Testing Needed

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW01021	13	Classroom		Faucet	2.7	Pass	Testing Complete
LW01022	13	Classroom		Bubbler - Indoor	2.1	Pass	Testing Complete
LW01023	14	Classroom		Faucet	4.9	Pass	Testing Complete
LW01024	14	Classroom		Bubbler - Indoor	2.9	Pass	Testing Complete
LW01025	13A	Reading		Faucet	3.4	Pass	Testing Complete
LW01027	13B	ESOL		Faucet	3.9	Pass	Testing Complete
LW01028	14A	Classroom		Faucet	4.6	Pass	Testing Complete
LW01029	MU	Classroom		Faucet	3.6	Pass	Testing Complete
LW01030		Hallway	Across From Elevator	Cooler	<1.0	Pass	Testing Complete
LW01031	21	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01032	21	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW01033	19	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01034	19	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01035	20	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01036	20	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01037	18	Classroom		Faucet	1.4	Pass	Testing Complete
LW01038	18	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW01039	17	Classroom		Faucet	1.6	Pass	Testing Complete
LW01040	17	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01041	16	Classroom		Faucet	1.0	Pass	Testing Complete
LW01042	16	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01043	15	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01043	15	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01044	15	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01045		Hallway	Across From Elevator- Lower Level	Cooler	<1.0	Pass	Testing Complete
LW01047	28	Classroom	Lower Level	Bubbler - Indoor	2.8	Pass	Testing Complete
LW01048	27	Classroom	Lower Level	Faucet	1.3	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW01049	27	Classroom	Lower Level	Bubbler - Indoor	1.0	Pass	Testing Complete
LW01050	26	Classroom	Lower Level	Faucet	<1.0	Pass	Testing Complete
LW01051	26	Classroom	Lower Level	Bubbler - Indoor	1.0	Pass	Testing Complete
LW01052	25	Classroom	Lower Level	Faucet	1.0	Pass	Testing Complete
LW01053	25	Classroom	Lower Level	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01054	24	Classroom	Lower Level	Faucet	<1.0	Pass	Testing Complete
LW01055	24	Classroom	Lower Level	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01056	23	Classroom	Lower Level	Faucet	3.5	Pass	Testing Complete
LW01057	23	Classroom	Lower Level	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01058	22	Classroom	Lower Level	Faucet	<1.0	Pass	Testing Complete
LW01060	29	Music	Lower Level	Faucet	2.5	Pass	Testing Complete
LW01061	29	Music	Lower Level	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01062	30	Classroom	Lower Level	Faucet	1.7	Pass	Testing Complete
LW01063	30	Classroom	Lower Level	Bubbler - Indoor	2.7	Pass	Testing Complete
LW01064		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
M03911		Work Room Admin		Faucet	6.3	Pass	Testing Complete
M03913		Kitchen		Faucet	2.0	Pass	Testing Complete
M03914		Kitchen All		Faucet	11.1	Pass	Testing Complete
M03986		Work Room Media Center		Faucet	2.5	Pass	Testing Complete

*ppb = parts per billion

Contractor: Professional Services Industries, Inc.
Certified Laboratory: Microbac Laboratories, Inc.

Follow Up Sample Results for Highland Elementary School (4/15/18)

Barcode ID	Room Number	Location	Equipment Type	Initial draw (2nd) (PPB)	Initial draw (3rd) (PPB)	30 Second Draw (PPB)	Status
LW01019	12	Classroom	Faucet	2.6	3.0	1.0	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.