Montgomery County Public Schools
Lead in Drinking Water Testing Report

Lakelands Park Middle School
1200 Main St.
Gaithersburg, MD 20878

Report Date: June 12th, 2024

LEAD IN DRINKING WATER SAMPLE RESULTS SUMMARY

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations (COMAR). Montgomery County Public Schools (MCPS) is required to remediate outlets where lead in drinking water concentrations exceed the State Action Level (AL) of 5 parts per billion (ppb). A summary of the lead in water initial samples collected by Inspection Experts Inc. is presented in the table below.

Sampling Date	4/5/2024
# of Outlets Tested	36
# 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 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 Lakelands Park MS

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW10889	In hallway adjacent to room 362	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW02367	In CAF	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW02368	In kitchen 101	Faucet, Cold	<2.0	Pass	Testing Complete
LW02369	In boys locker room 128	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW02373	In hallway adjacent to CR 362	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW02374	In hallway adjacent to CR 362	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M06262	In hallway adjacent to CR 162	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13220	In hallway adjacent to CR 262	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13221	In hallway across from CR 262	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M06270	In team room 151	Faucet, Cold	<2.0	Pass	Testing Complete
M06271	In team room 173	Faucet, Cold	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M06310	In hallway adjacent to room 141	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW13218	In Cafeteria	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW13219	In hallway adjacent to room 109	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
M06326	In hallway adjacent to room 109	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M06343	In hallway adjacent to room 121	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M06345	In girls locker room	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M06354	In storage 105A	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
M06359	In kitchen 101	Faucet, Cold	<2.0	Pass	Testing Complete
M06360	In kitchen 101	Faucet, Cold	<2.0	Pass	Testing Complete
M06361	In kitchen 101	Faucet, Cold	<2.0	Pass	Testing Complete
M06362	In kitchen 101	Faucet, Cold	<2.0	Pass	Testing Complete
M06363	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M06364	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
M06367	In kitchen 101	Ice Machine	<2.0	Pass	Testing Complete
M06368	In work room 100F adjacent to administration office	Faucet, Cold	<2.0	Pass	Testing Complete
M06371	In health room 102	Faucet, Cold	<2.0	Pass	Testing Complete
M06374	In break room 208 staff	Faucet, Cold	<2.0	Pass	Testing Complete
M06377	In hallway adjacent IMC 200	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M06378	In hallway adjacent to IMC 200	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M06385	In media center office 200B	Faucet, Cold	<2.0	Pass	Testing Complete
M06387	In team 273	Faucet, Cold	<2.0	Pass	Testing Complete
M06388	In team 251	Faucet, Cold	2.0	Pass	Testing Complete
M06418	In office 271	Faucet, Cold	12.4	Fail	Remediation Action Plan
M06422	In office 371	Faucet, Cold	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M06423	In office 351	Faucet, Cold	<2.0	Pass	Testing Complete

Montgomery County Public Schools
Lead in Drinking Water Testing Report

Lakelands Park Middle School
1200 Main Street
Gaithersburg, MD 20878

Report Date: February 10th, 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	11/18/2021
# of Outlets Tested	49
# of Outlets ≥ 5 ppb	0

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 Lakelands Park MS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW02367	In all purpose room 101	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02368	In kitchen 101	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW02369	In boys locker room 128	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02370	In office 145A adjacent to computer lab	Teacher's Lounge Sink	1.3	Pass	N/A	Testing Complete
LW02371	In hallway adjacent to CR 162	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02372	In hallway adjacent to room 262	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02373	In hallway adjacent to CR 362	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02374	In hallway adjacent to CR 362	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10889	In hallway adjacent to room 362	Bottle Filler	<1	Pass	N/A	Testing Complete
M06262	In hallway adjacent to CR 162	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06270	In team room 151	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06271	In team room 173	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06298	In special ed 178	Classroom Sink	<1	Pass	N/A	Testing Complete
M06299	In classroom 180	Classroom Sink	<1	Pass	N/A	Testing Complete
M06309	In hallway adjacent to room 141	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06310	In hallway adjacent to room 141	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06312	In home economics 140	Classroom Sink	1.2	Pass	N/A	Testing Complete
M06315	In home economics 140	Classroom Sink	<1	Pass	N/A	Testing Complete
M06317	In storage 140B adjacent to home economics	Teacher's Lounge Sink	2.2	Pass	N/A	Testing Complete
M06325	In classroom 149	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06326	In hallway adjacent to room 109	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06327	In hallway adjacent to room 109	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06343	In hallway adjacent to room 121	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06345	In girls locker room	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06352	In storage 105A	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06353	In storage 103D	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06354	In storage 105A	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M06359	In kitchen 101	Kitchen Sink	1.2	Pass	N/A	Testing Complete
M06360	In kitchen 101	Kitchen Sink	<1	Pass	N/A	Testing Complete
M06361	In kitchen 101	Kitchen Sink	1.5	Pass	N/A	Testing Complete

M06362	In kitchen 101	Kitchen Sink	<1	Pass	N/A	Testing Complete
M06363	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M06364	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M06365	In kitchen 101	Kitchen Sink	<1	Pass	N/A	Testing Complete
M06367	In kitchen 101	Ice Machine	<1	Pass	N/A	Testing Complete
M06368	In work room 100F adjacent to administration office	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06371	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M06374	In break room 208 staff	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M06377	In hallway adjacent IMC 200	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06378	In hallway adjacent to IMC 200	Drinking Fountain	<1	Pass	N/A	Testing Complete
M06385	In media center office 200B	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06387	In team 273	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06388	In team 251	Teacher's Lounge Sink	1.4	Pass	N/A	Testing Complete
M06417	In classroom 266	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06418	In office 271	Teacher's Lounge Sink	4.1	Pass	N/A	Testing Complete
M06419	In classroom 278	Teacher's Lounge Sink	1.1	Pass	N/A	Testing Complete
M06422	In office 371	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06423	In office 351	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
M06461	In classroom 378	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete

MONTGOMERY COUNTY PUBLIC SCHOOLS
LEAD IN DRINKING WATER TESTING 2018

Executive Summary:
Lakelands Park Middle School

1200 Main Street,
Gaithersburg, MD 20878

Date of Test Report:	5/11/2018
Round of Testing:	Initial
# of Outlets Tested:	54
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	1.8

Project Status

Initial testing complete: All results less than 20 ppb.

May 11, 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: Lakelands Park Middle School
1200 Main Street,
Gaithersburg, MD 20878

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 Lakelands Park Middle School, located at 1200 Main Street, Gaithersburg, MD 20878.

Scope of Services:

PSI conducted lead in water testing at Lakelands Park Middle School in accordance with the Environmental Protection Agency (EPA) and Maryland House Bill (HB) 270. State regulation established an action level of 20 parts per billion (ppb) to evaluate lead levels in school buildings, a concentration EPA recommends that schools take action to reduce lead below this action level. Maryland requires periodic testing for the presence of lead in drinking water in occupied public and nonpublic school buildings. EPA developed the 3T's (Training, Testing, and Telling) to assist schools in reducing the lead concentrations in their drinking water. More information about 3T's can be found on the EPA website.

PSI visited the site on 4/16/18 and 4/17/18 to collect samples from 54 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 were no results of the lead in water analysis at or above 20 parts per billion (ppb).

The lead in water sample results < 20 ppb for sample collection date 4/17/18 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.
Department Manager, Environmental Services
Nand.Kaushik@psiusa.com

Attachments: A – Lead in Water Test Summary Table

ATTACHMENT A

Lead in Water Test Summary Table

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

Sample Results for Lakelands Park Middle School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW02367	101	All Purpose Room		Cooler	<1.0	Pass	Testing Complete
LW02369	128	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW02370	145A	Office Computer Lab		Faucet	<1.0	Pass	Testing Complete
LW02371		Hallway	Across from Cr 162	Cooler	<1.0	Pass	Testing Complete
LW02372		Hallway	Across from Rm 262	Cooler	<1.0	Pass	Testing Complete
LW02373		Hallway	Across from Rm 362	Cooler	<1.0	Pass	Testing Complete
LW02374		Hallway	Across from Cr 362	Cooler	<1.0	Pass	Testing Complete
M06262		Hallway	Across CR 162	Cooler	<1.0	Pass	Testing Complete
M06271	173	Team Room		Faucet	<1.0	Pass	Testing Complete
M06298	178	Special Ed		Faucet	<1.0	Pass	Testing Complete
M06299	180	Classroom		Faucet	<1.0	Pass	Testing Complete
M06300	171	Supply Room		Faucet	<1.0	Pass	Testing Complete
M06309		Hallway	Across 141	Cooler	<1.0	Pass	Testing Complete
M06310		Hallway	Across 141	Cooler	<1.0	Pass	Testing Complete
M06311	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
M06313	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
M06314	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
M06316	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
M06325	149	Classroom		Faucet	<1.0	Pass	Testing Complete
M06326		Hallway	Left Of 109	Cooler	<1.0	Pass	Testing Complete
M06327		Hallway	Left Of 109	Cooler	<1.0	Pass	Testing Complete
M06343		Hallway	Outside 121	Cooler	<1.0	Pass	Testing Complete
M06345		Girls Locker Room		Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M06353	103D	Storage Music	Inside of Rm 105 & 103	Faucet	<1.0	Pass	Testing Complete
M06354	105A	Storage Music	Inside of Rm 105	Bubbler - Indoor	<1.0	Pass	Testing Complete
M06360	101	Kitchen		Faucet	<1.0	Pass	Testing Complete
M06361	101	Kitchen		Faucet	<1.0	Pass	Testing Complete
M06362	101	Kitchen		Faucet	<1.0	Pass	Testing Complete
M06364		Kitchen		Faucet	<1.0	Pass	Testing Complete
M06367	101	Kitchen		Ice Maker	<1.0	Pass	Testing Complete
M06368	100F	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
M06371	102	Health		Faucet	<1.0	Pass	Testing Complete
M06374	208	Break Room	Staff	Faucet	<1.0	Pass	Testing Complete
M06377		Hallway	Outside IMC 200	Cooler	<1.0	Pass	Testing Complete
M06378		Hallway	Outside IMC 200	Cooler	<1.0	Pass	Testing Complete
M06385	200B	Media Center		Faucet	<1.0	Pass	Testing Complete
M06387	273	Team Rm		Faucet	<1.0	Pass	Testing Complete
M06388	251	Team Rm		Faucet	<1.0	Pass	Testing Complete
M06390		Hallway	Across 262	Cooler	<1.0	Pass	Testing Complete
M06419	278	Classroom		Faucet	<1.0	Pass	Testing Complete
M06422	371	Office		Faucet	<1.0	Pass	Testing Complete
M06423	351	Office		Faucet	<1.0	Pass	Testing Complete
M06461	378	Classroom		Faucet	<1.0	Pass	Testing Complete
M06317	140B	Storage Home Economics		Faucet	2	Pass	Testing Complete
M06352	105A	Storage Music	Inside of 105	Faucet	1.8	Pass	Testing Complete
M06418	271	Office		Faucet	1.8	Pass	Testing Complete
M06359	101	Kitchen		Faucet	1.4	Pass	Testing Complete
M06315	140	Home Economics		Faucet	1.3	Pass	Testing Complete
M06274	160A	Storage Classroom	Inside of 160	Faucet	1.2	Pass	Testing Complete
M06312	140	Home Economics		Faucet	1.2	Pass	Testing Complete
M06363		Kitchen		Faucet	1.2	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M06417	266	Classroom		Faucet	1.1	Pass	Testing Complete
LW02368	101	Kitchen		Faucet	1.0	Pass	Testing Complete
M06270	151	Team Room		Faucet	1.0	Pass	Testing Complete

*ppb = parts per billion