

# Montgomery County Public Schools Lead in Drinking Water Testing Report

**William B. Gibbs, Jr. Elementary School  
12615 Royal Crown Dr.  
Germantown, MD 20876**

**Report Date: April 30th, 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	3/5/2024
# of Outlets Tested	59
# of Outlets $\geq$ 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](mailto: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](http://www.epa.gov/lead).
3. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

*Please refer to the attachment(s) for additional water sampling information.*

**Attachment(s)** A – Lead in Water Sample Results Table

**ATTACHMENT A**

**Lead in Water Sample Results Table**

## Sampling Results for William B. Gibbs Jr. ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW10656	In hallway adjacent to 143	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW10653	In classroom 190	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW10654	In hallway adjacent to 143	Bottle Refill Dispenser/Water Refill Station	<1.0	Pass	Testing Complete
LW10655	In hallway adjacent to room 143	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW08601	In classroom 140	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW08602	In classroom 140	Drinking Water fountain - Bubblers Style	1.1	Pass	Testing Complete
LW08604	In classroom 146	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW08620	In classroom 154	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW08622	In kindergarten 158	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW08631	In classroom 178	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW08633	In classroom 139	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW08637	In classroom 180	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08639	In break room 106	Faucet, Cold	<1.0	Pass	Testing Complete
LW08640	In health room 102	Faucet, Cold	3.3	Pass	Testing Complete
LW08642	In hallway next to 112	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW08643	In hallway next to 112	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW08647	In classroom 222	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08649	In classroom 224	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08651	In classroom 228	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08658	In classroom 246	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08661	In classroom 250	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08672	In art 192	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08673	In hallway In front of gym	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW08674	In hallway In front of gym	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW08676	In hallway next to 209	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW08677	In hallway next to 209	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW08679	In classroom 212	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08682	In classroom 216	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08626	In classroom 164	Drinking Water fountain - Bubbler Style	2.7	Pass	Testing Complete
LW08870	In hallway In front of 126	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW12638	In hallway next to 112	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW08871	In hallway In front of 126	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
LW08876	In classroom 134	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
LW08877	In classroom 134	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete
M50271	In classroom 121	Drinking Water fountain - Bubbler Style	<1.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW08598	In classroom 125	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50285	In classroom 150	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW12639	In classroom 146	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
LW08624	In classroom 160	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50300	In conference room 168	Drinking Water fountain - Bubblers Style	46.8	Fail	Remediation Action Plan
M50303	In classroom 172	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50305	In classroom 135	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50306	In classroom 174	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50334	In kitchen 110	Faucet, Cold	<1.0	Pass	Testing Complete
M50335	In kitchen 110	Faucet, Cold	<1.0	Pass	Testing Complete
M50336	In kitchen 110	Faucet, Cold	<1.0	Pass	Testing Complete
M50347	In health room 102D	Faucet, Cold	4.5	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
M50362	In classroom 213	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50365	In classroom 217	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50367	In classroom 218	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50376	In classroom 232	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50377	In classroom 234	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50380	In lab 238	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50382	In classroom 240	Drinking Water fountain - Bubblers Style	10.3	Fail	Remediation Action Plan
M50385	In classroom 244	Drinking Water fountain - Bubblers Style	11.4	Fail	Remediation Action Plan
M50387	In classroom 231	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50390	In classroom 235	Drinking Water fountain - Bubblers Style	<1.0	Pass	Testing Complete
M50394	In hallway next to 239	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete
M50395	In hallway next to 239	Drinking Water Fountain - Cooler/Chiller Style	<1.0	Pass	Testing Complete



# Montgomery County Public Schools Lead in Drinking Water Testing Report

William B. Gibbs, Jr. Elementary School  
12615 Royal Crown Drive  
Germantown, MD 20876

Report Date: February 17<sup>th</sup>, 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	10/22/2021
# of Outlets Tested	90
# 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. 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**

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### **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](mailto: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](http://www.epa.gov/lead).
3. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

*Please refer to the attachment(s) for additional water sampling information.*

**Attachment(s)** A – Lead in Water Sample Results Table

**ATTACHMENT A**

**Lead in Water Sample Results Table**

## Sampling Results for William B. Gibbs Jr. ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW08672	In art 192	Classroom Combination Drinking Fountain	1.1	Pass	N/A	Testing Complete
LW08639	In break room 106	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW08878	In classroom 121	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M50271	In classroom 121	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08874	In classroom 134	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08876	In classroom 134	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08877	In classroom 134	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08629	In classroom 135	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M50305	In classroom 135	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08632	In classroom 139	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08633	In classroom 139	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08601	In classroom 140	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08602	In classroom 140	Classroom Combination Drinking Fountain	3.1	Pass	N/A	Testing Complete
LW08603	In classroom 146	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08604	In classroom 146	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08605	In classroom 150	Classroom Sink	<1	Pass	N/A	Testing Complete
M50285	In classroom 150	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08619	In classroom 154	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08620	In classroom 154	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08628	In classroom 172	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
M50303	In classroom 172	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M50306	In classroom 174	Classroom Combination Drinking Fountain	1.5	Pass	N/A	Testing Complete
M50307	In classroom 174	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08630	In classroom 178	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08631	In classroom 178	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08636	In classroom 180	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW08637	In classroom 180	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10653	In classroom 190	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08678	In classroom 212	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08679	In classroom 212	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete

LW08680	In classroom 213	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M50362	In classroom 213	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08682	In classroom 216	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08681	In classroom 216	Classroom Combination Sink	1.9	Pass	N/A	Testing Complete
M50365	In classroom 217	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08683	In classroom 217	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08645	In classroom 218	Classroom Combination Sink	3.2	Pass	N/A	Testing Complete
M50367	In classroom 218	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08646	In classroom 222	Classroom Combination Sink	7.8	Fail	1.4	Testing Complete
LW08647	In classroom 222	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08648	In classroom 224	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08649	In classroom 224	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08650	In classroom 228	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08651	In classroom 228	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08659	In classroom 231	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M50387	In classroom 231	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08652	In classroom 232	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M50376	In classroom 232	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M50377	In classroom 234	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08653	In classroom 234	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08662	In classroom 235	Classroom Combination Sink	1.3	Pass	N/A	Testing Complete
M50390	In classroom 235	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08654	In classroom 238	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08655	In classroom 240	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
M50382	In classroom 240	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08656	In classroom 244	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M50385	In classroom 244	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08658	In classroom 246	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08657	In classroom 246	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08660	In classroom 250	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08661	In classroom 250	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08627	In conference room 168	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
M50300	In conference room 168	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete

LW10654	In hallway adjacent to 143	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10656	In hallway adjacent to 143	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW10655	In hallway adjacent to room 143	Drinking Fountain	<1	Pass	N/A	Testing Complete
M50394	In hallway hallway next to 239	Drinking Fountain	<1	Pass	N/A	Testing Complete
M50395	In hallway hallway next to 239	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08870	In hallway In front of 126	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08871	In hallway In front of 126	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08673	In hallway In front of gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08674	In hallway In front of gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08642	In hallway next to 112	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08643	In hallway next to 112	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08676	In hallway next to 209	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08677	In hallway next to 209	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08640	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M50347	In health room 102D	Nurses Office Sink	1.5	Pass	N/A	Testing Complete
LW08622	In kindergarten 158	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M50334	In kitchen 110	Kitchen Sink	<1	Pass	N/A	Testing Complete
M50335	In kitchen 110	Kitchen Sink	1.1	Pass	N/A	Testing Complete
M50336	In kitchen 110	Kitchen Sink	1.1	Pass	N/A	Testing Complete
M50380	In lab 238	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08638	In mail room 100C by administration	Classroom Sink	<1	Pass	N/A	Testing Complete
M50249	In music 186	Classroom Sink	<1	Pass	N/A	Testing Complete
M50247	In music 188	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M50248	In music 188	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08675	In resource center 201	Classroom Sink	<1	Pass	N/A	Testing Complete
LW08875	In room 134	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M50404	In speech therapy 254	Classroom Sink	1.7	Pass	N/A	Testing Complete



## **MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018**

### **Executive Summary:**

#### **William B. Gibbs Jr. Elementary School**

12615 Royal Crown Drive,  
Germantown, MD 20876

Date of Test Report:	5/17/2018
Round of Testing:	Initial
# of Outlets Tested:	100
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	19.1

### **Project Status**

**Initial testing complete:** All results less than 20 ppb.



May 17, 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: William B. Gibbs Jr. Elementary School  
12615 Royal Crown Drive,  
Germantown, MD 20876

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 William B. Gibbs Jr. Elementary School, located at 12615 Royal Crown Drive, Germantown, MD 20876.

**Scope of Services:**

PSI conducted lead in water testing at William B. Gibbs Jr. 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 4/16/18 and 4/17/18 to collect samples from 100 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.**

A handwritten signature in black ink that reads "Nand Kaushik".

Nand Kaushik, P.E.  
Department Manager, Environmental Services  
[Nand.Kaushik@psiusa.com](mailto: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 William B. Gibbs Jr. Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08597	125	Classroom		Faucet	1.5	Pass	Testing Complete
LW08598	125	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08599	140	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08600	140	Classroom		Faucet	1.6	Pass	Testing Complete
LW08601	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08602	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08603	146	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08604	146	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08605	150	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08619	154	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08620	154	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08621	158	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW08622	158	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08623	160	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW08624	160	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08627	168	Conference Room		Faucet	<1.0	Pass	Testing Complete
LW08628	172	Classroom		Faucet	1.9	Pass	Testing Complete
LW08629	135	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08630	178	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08631	178	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08632	139	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08633	139	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08634		Hallway	In Front Of 180	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08635		Hallway	In Front Of 180	Cooler	<1.0	Pass	Testing Complete
LW08636	180	Classroom		Faucet	1.2	Pass	Testing Complete
LW08637	180	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08638	100C	Mail Room Administration		Faucet	<1.0	Pass	Testing Complete
LW08639	106	Break Room		Faucet	1.2	Pass	Testing Complete
LW08640	102	Health Room		Faucet	<1.0	Pass	Testing Complete
LW08641	111	Work Room Media Center		Faucet	6.4	Pass	Testing Complete
LW08642		Hallway	Next To 112	Cooler	<1.0	Pass	Testing Complete
LW08643		Hallway	Next To 112	Cooler	<1.0	Pass	Testing Complete
LW08644	192	Art		Faucet	<1.0	Pass	Testing Complete
LW08645	218	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08646	222	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08647	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08648	224	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08649	224	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08650	228	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08651	228	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08652	232	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08653	234	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08654	238	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08655	240	Classroom		Faucet	1.4	Pass	Testing Complete
LW08656	244	Classroom		Faucet	1.2	Pass	Testing Complete
LW08657	246	Classroom		Faucet	1.1	Pass	Testing Complete
LW08658	246	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08659	231	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08660	250	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08661	250	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08662	235	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08671	192	Art		Faucet	4.2	Pass	Testing Complete
LW08672	192	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08673		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW08674		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW08675	201	Resource Center		Faucet	<1.0	Pass	Testing Complete
LW08676		Hallway	Next To 209	Cooler	<1.0	Pass	Testing Complete
LW08677		Hallway	Next To 209	Cooler	<1.0	Pass	Testing Complete
LW08678	212	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08679	212	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08680	213	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08681	216	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08682	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08683	217	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08870		Hallway	In Front Of 126	Cooler	<1.0	Pass	Testing Complete
LW08871		Hallway	In Front Of 126	Cooler	<1.0	Pass	Testing Complete
LW08872	126	Break Room		Faucet	<1.0	Pass	Testing Complete
LW08873	126	Break Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08874	134	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08875	134	Classroom		Faucet	19.1	Pass	Testing Complete
LW08876	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08878	121	Classroom		Faucet	<1.0	Pass	Testing Complete
M50247	188	Music		Faucet	<1.0	Pass	Testing Complete
M50248	188	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50249	186	Music		Faucet	1.1	Pass	Testing Complete
M50271	121	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50285	150	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50300	168	Conference Room		Bubbler - Indoor	1.1	Pass	Testing Complete
M50303	172	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M50305	135	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50306	174	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50307	174	Classroom		Faucet	<1.0	Pass	Testing Complete
M50334	110	Kitchen		Faucet	1.3	Pass	Testing Complete
M50335	110	Kitchen		Faucet	<1.0	Pass	Testing Complete
M50336	110	Kitchen		Faucet	<1.0	Pass	Testing Complete
M50347	102D	Health Room		Faucet	2	Pass	Testing Complete
M50362	213	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50365	217	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50367	218	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50376	232	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50377	234	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50380	238	Lab		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50382	240	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50385	244	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50387	231	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50390	235	Classroom		Bubbler	<1.0	Pass	Testing Complete
M50394		Hallway	Hallway Next to 239	Cooler	<1.0	Pass	Testing Complete
M50395		Hallway	Hallway Next to 239	Cooler	<1.0	Pass	Testing Complete
M50404	254	Speech Therapy		Faucet	1.6	Pass	Testing Complete
M50523	126	Break Room		Faucet	3.4	Pass	Testing Complete

\*ppb = parts per billion