

# Montgomery County Public Schools Lead in Drinking Water Testing Report

College Gardens Elementary School  
1700 Yale Pl.  
Rockville, MD 20850

Report Date: November 13, 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 KCI Technologies Inc. is presented in the table below.

Sampling Date	10/11/2024
# of Outlets Tested	60
# of Outlets $\geq$ 5 ppb	0

## NEXT STEPS

If an initial sample exceeds the AL (5 ppb), the outlet will be shut-down within 24 hours, a follow-up sample collected, and a remedial plan of action developed for this outlet. No additional sampling or remedial actions are required for schools where all initial samples are below the AL.

## HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones, and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

## **SOURCES OF HUMAN EXPOSURE TO LEAD**

There are many different sources of human exposure to lead. These include lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass outlets, food, cosmetics, exposure in the workplace and from certain hobbies. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead-containing water this may increase to 40 to 60 percent.

### **TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:**

1. Run your water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

*\*Please note that boiling the water will not reduce lead levels.*

### **ADDITIONAL INFORMATION**

1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or [brian\\_a\\_mullikin@mcpsmd.org](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 College Gardens ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW07709	Kitchen 112A	Faucet, Cold	1.5	Pass	Testing Complete
LW13702	In hallway adjacent to A112 APR	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13703	In hallway adjacent to room C141	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13704	In hallway adjacent to A167/GBR	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13705	In hallway adjacent to C217	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13706	In hallway adjacent to reading lab D239	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
M08145	In Classroom B204	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08147	In Classroom B202	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08149	In Classroom B208	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08160	In Classroom C216	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08162	In Classroom C220	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08165	In Classroom C222	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08167	In Classroom C226	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08177	In Classroom C221	Faucet, Cold	1.2	Pass	Testing Complete
M08179	In Classroom D240	Combination Sink - Fountain - Bubblers	2.3	Pass	Testing Complete
M08181	In Classroom D242	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08183	In Classroom D246	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08185	In Classroom D250	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08193	In hallway adjacent to C217	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
M08194	In hallway adjacent to C217	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
M08195	In Classroom D229	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08198	In Classroom D233	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08200	In Classroom D235	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08202	In Classroom D239	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08203	In hallway adjacent to reading lab D239	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
M08204	In hallway adjacent to reading lab D239	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M08209	In Classroom B201	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08211	In Classroom B205	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08214	In Classroom B207	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08215	Kitchen 112A	Commercial Kitchen Kettle, Cold	2.7	Pass	Testing Complete
M08216	In Classroom 112A	Faucet, Cold	<1.0	Pass	Testing Complete
M08217	Kitchen 112A	Faucet, Cold	<1.0	Pass	Testing Complete
M08241	In A104 Health room	Faucet, Cold	<1.0	Pass	Testing Complete
M08245	In A100G	Faucet, Cold	<1.0	Pass	Testing Complete
M08248	A101 Break Room	Faucet, Cold	<1.0	Pass	Testing Complete
M08249	In Classroom 105	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08251	In hallway adjacent to A112 APR	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
M08252	In hallway adjacent to A112 APR	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
M08262	In Inst music B118	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08264	In B120 music	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08270	In Classroom B128	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08271	In Classroom B128	Combination Sink - Faucet, Cold	<1.0	Pass	Testing Complete
M08278	In hallway adjacent to room C141	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
M08279	In hallway adjacent to room C141	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
M08281	In Classroom C134	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08282	In Classroom C136	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08285	In Classroom C140	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08286	In Classroom C142	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08293	In Classroom D148	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08297	In Classroom D147	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08300	In Classroom D156	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08303	In Classroom D162	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08306	In Classroom D151	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08308	In Classroom D164	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08311	In Classroom D153	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
M08313	In Classroom D172	Combination Sink - Fountain - Bubblers	<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>
M08316	In Classroom D157	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M08321	In hallway adjacent to A167/GBR	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
M08322	In hallway adjacent to A167/GBR	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
M08324	In Classroom C130	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete

# Montgomery County Public Schools Lead in Drinking Water Testing Report

College Gardens Elementary School  
1700 Yale Place  
Rockville, MD 20850

Report Date: March 22<sup>nd</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	11/19/2021
# of Outlets Tested	91
# of Outlets $\geq$ 5 ppb	2

## 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](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 College Gardens ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW07709	In kitchen A112A	Kitchen Sink	3.2	Pass	N/A	Testing Complete
M08144	In classroom B204	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08145	In classroom B204	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08146	In classroom B202	Classroom Combination Sink	2.7	Pass	N/A	Testing Complete
M08147	In classroom B202	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08149	In classroom B208	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08152	In classroom B208	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
M08159	In classroom C216	Classroom Combination Sink	3.8	Pass	N/A	Testing Complete
M08160	In classroom C216	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08161	In classroom C220	Classroom Combination Sink	6.1	Fail	5.0	Testing Complete
M08162	In classroom C220	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08163	In classroom C222	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
M08165	In classroom C222	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08166	In classroom C226	Classroom Combination Sink	2.8	Pass	N/A	Testing Complete
M08167	In classroom C226	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08177	In office C221	Teacher's Lounge Sink	1.1	Pass	N/A	Testing Complete
M08178	In classroom D240	Classroom Combination Sink	1.7	Pass	N/A	Testing Complete
M08180	In classroom D242	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08181	In classroom D242	Classroom Combination Drinking Fountain	1.5	Pass	N/A	Testing Complete
M08182	In classroom D246	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
M08183	In classroom D246	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08184	In classroom D250	Teacher's Lounge Sink	<1.0	Pass	N/A	Testing Complete
M08185	In classroom D250	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08193	In hallway adjacent to C217	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08194	In hallway adjacent to C217	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08195	In classroom D229	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08196	In classroom D229	Classroom Combination Sink	2.6	Pass	N/A	Testing Complete
M08197	In classroom D233	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
M08198	In classroom D233	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08199	In classroom D235	Classroom Combination Sink	2.3	Pass	N/A	Testing Complete

M08200	In classroom D235	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08201	In reading D239	Classroom Combination Sink	2.2	Pass	N/A	Testing Complete
M08203	In hallway adjacent to reading lab D239	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08204	In hallway adjacent to reading lab D239	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08205	In classroom B201	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08209	In classroom B201	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08210	In classroom B205	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
M08211	In classroom B205	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08213	In classroom B207	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08214	In classroom B207	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08215	In kitchen A112A	Kitchen Sink	8.7	Fail	3.3	Testing Complete
M08216	In kitchen A112A	Kitchen Sink	<1.0	Pass	N/A	Testing Complete
M08217	In kitchen A112A	Kitchen Sink	<1.0	Pass	N/A	Testing Complete
M08241	In health room A104	Nurses Office Sink	<1.0	Pass	N/A	Testing Complete
M08245	In work room A100G	Teacher's Lounge Sink	<1.0	Pass	N/A	Testing Complete
M08248	In break room A101	Teachers Lounge Sink	<1.0	Pass	N/A	Testing Complete
M08249	In resource A105	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08250	In resource A105	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08251	In hallway adjacent to A112 APR	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08252	In hallway adjacent to A112 APR	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08262	In Inst music B118	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08263	In Inst music B118	Classroom Combination Sink	3.7	Pass	N/A	Testing Complete
M08264	In classroom B120	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08265	In classroom B120	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08266	In room B125	Classroom Sink	1.5	Pass	N/A	Testing Complete
M08270	In classroom B128	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08271	In classroom B128	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08278	In hallway adjacent to room C141	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08279	In hallway adjacent to room C141	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08280	In classroom C134	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08281	In classroom C134	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08282	In classroom C136	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08283	In classroom C136	Classroom Combination Sink	1.3	Pass	N/A	Testing Complete

M08284	In classroom C140	Classroom Combination Sink	1.9	Pass	N/A	Testing Complete
M08285	In classroom C140	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08286	In classroom C142	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08287	In classroom C142	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
M08289	In classroom C146	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08290	In classroom C146	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08293	In classroom D148	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08294	In classroom D148	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08297	In classroom D147	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08298	In classroom D147	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08299	In classroom D156	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
M08300	In classroom D156	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08302	In classroom D162	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08303	In classroom D162	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08305	In classroom D151	Classroom Combination Sink	2.6	Pass	N/A	Testing Complete
M08306	In classroom D151	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08307	In classroom D164	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08308	In classroom D164	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08310	In classroom D153	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08311	In classroom D153	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08312	In classroom D172	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
M08313	In classroom D172	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08315	In classroom D157	Classroom Combination Sink	1.9	Pass	N/A	Testing Complete
M08316	In classroom D157	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08321	In hallway adjacent to A167 GBR	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08322	In hallway adjacent to A167 GBR	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08324	In classroom C130	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
M08325	In classroom C130	Classroom Combination Sink	1.3	Pass	N/A	Testing Complete



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

**Executive Summary:**  
**College Garden Elementary School**  
1700 Yale Place,  
Rockville, MD 20850

Date of Test Report:	6/8/2018
Round of Testing:	Initial
# of Outlets Tested:	90
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	4.0

### **Project Status**

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



June 8, 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: College Garden Elementary School  
1700 Yale Place,  
Rockville, MD 20850

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 College Gardens Elementary School, located at 1700 Yale Place, Rockville, MD 20850.

**Scope of Services:**

PSI conducted lead in water testing at College Gardens 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 5/1/18 and 5/2/18 to collect samples from 90 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 5/2/18 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 College Garden Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW07709	A112A	Kitchen		Faucet	4.0	Pass	Testing Complete
M08144	B204	Classroom		Faucet	<1.0	Pass	Testing Complete
M08145	B204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08146	B202	Classroom		Faucet	1.2	Pass	Testing Complete
M08147	B202	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08149	B208	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08152	B208	Classroom		Faucet	1.4	Pass	Testing Complete
M08159	C216	Classroom		Faucet	1.0	Pass	Testing Complete
M08160	C216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08161	C220	Classroom		Faucet	<1.0	Pass	Testing Complete
M08162	C220	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08163	C222	Classroom		Faucet	<1.0	Pass	Testing Complete
M08165	C222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08166	C226	Classroom		Faucet	1.2	Pass	Testing Complete
M08167	C226	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08177	C221	Office		Faucet	<1.0	Pass	Testing Complete
M08178	D240	Classroom		Faucet	<1.0	Pass	Testing Complete
M08179	D240	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08180	D242	Classroom		Faucet	1.5	Pass	Testing Complete
M08181	D242	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08182	D246	Classroom		Faucet	<1.0	Pass	Testing Complete
M08183	D246	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08184	D250	Classroom		Faucet	<1.0	Pass	Testing Complete



Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M08185	D250	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08193		Hallway	Next to C217	Cooler	<1.0	Pass	Testing Complete
M08194		Hallway	Next to C217	Cooler	<1.0	Pass	Testing Complete
M08195	D229	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08196	D229	Classroom		Faucet	1.8	Pass	Testing Complete
M08197	D233	Classroom		Faucet	<1.0	Pass	Testing Complete
M08198	D233	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08199	D235	Classroom		Faucet	1.3	Pass	Testing Complete
M08200	D235	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08201	D239	Reading		Faucet	<1.0	Pass	Testing Complete
M08202	D239	Reading		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08203		Hallway	Across From Stair 2	Cooler	<1.0	Pass	Testing Complete
M08204		Hallway	Across From Stair 2	Cooler	<1.0	Pass	Testing Complete
M08205	B201	Classroom		Faucet	<1.0	Pass	Testing Complete
M08209	B201	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08210	B205	Classroom		Faucet	<1.0	Pass	Testing Complete
M08211	B205	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08213	B207	Classroom		Faucet	<1.0	Pass	Testing Complete
M08214	B207	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08215	A112A	Kitchen		Faucet	1.1	Pass	Testing Complete
M08216	A112A	Kitchen		Faucet	1.1	Pass	Testing Complete
M08217	A112A	Kitchen		Faucet	1.2	Pass	Testing Complete
M08241	A104	Health		Faucet	<1.0	Pass	Testing Complete
M08245	A100G	Work Room		Faucet	<1.0	Pass	Testing Complete
M08248	A101	Break Room		Faucet	<1.0	Pass	Testing Complete
M08249	A105	Resource		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08250	A105	Resource		Faucet	1.1	Pass	Testing Complete
M08251		Hallway	Next to A112 APR	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M08252		Hallway	Next to A112 APR	Cooler	<1.0	Pass	Testing Complete
M08262	B118	Inst Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08263	B118	Inst Music		Faucet	2.2	Pass	Testing Complete
M08270	B128	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08271	B128	Classroom		Faucet	<1.0	Pass	Testing Complete
M08278		Hallway	Next to C141	Cooler	<1.0	Pass	Testing Complete
M08279		Hallway	Next to C141	Cooler	<1.0	Pass	Testing Complete
M08280	C134	Classroom		Faucet	<1.0	Pass	Testing Complete
M08281	C134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08282	C136	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08283	C136	Classroom		Faucet	1.8	Pass	Testing Complete
M08284	C140	Classroom		Faucet	1.3	Pass	Testing Complete
M08285	C140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08286	C142	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08287	C142	Classroom		Faucet	<1.0	Pass	Testing Complete
M08289	C146	Classroom		Faucet	1.6	Pass	Testing Complete
M08290	C146	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08293	D148	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08294	D148	Classroom		Faucet	<1.0	Pass	Testing Complete
M08297	D147	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08298	D147	Classroom		Faucet	1.7	Pass	Testing Complete
M08299	D156	Classroom		Faucet	1.2	Pass	Testing Complete
M08300	D156	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08302	D162	Classroom		Faucet	<1.0	Pass	Testing Complete
M08303	D162	Classroom		Bubbler - Indoor	1.6	Pass	Testing Complete
M08305	D151	Classroom		Faucet	1.0	Pass	Testing Complete
M08306	D151	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08307	D164	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M08308	D164	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
M08310	D153	Classroom		Faucet	1.0	Pass	Testing Complete
M08311	D153	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08312	D172	Classroom		Faucet	<1.0	Pass	Testing Complete
M08313	D172	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08315	D157	Classroom		Faucet	<1.0	Pass	Testing Complete
M08316	D157	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08321		Hallway	Next to A167	Cooler	<1.0	Pass	Testing Complete
M08322		Hallway	Next to A167	Cooler	<1.0	Pass	Testing Complete
M08324	C130	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08325	C130	Classroom		Faucet	1.4	Pass	Testing Complete

\*ppb = parts per billion