

# Montgomery County Public Schools Lead in Drinking Water Testing Report

**Rocky Hill Middle School  
22401 Brick Haven Way  
Clarksburg, MD 20871**

**Report Date: February 9<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	51
# 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**

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 Rocky Hill MS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW10627	Cafeteria	Bottle Filler	<1	Pass	N/A	Testing Complete
lw10624	Hallway across 143	Bottle Filler	<1	Pass	N/A	Testing Complete
lw10625	Hallway across 362	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10626	Hallway in front of 262	Bottle Filler	<1	Pass	N/A	Testing Complete
LW01987	In break room 208	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW09100	In cafeteria	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW09099	In Choral 105A	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW09082	In classroom 149	Classroom Combination Sink	6.7	Fail	<1	Testing Complete
LW09076	In classroom 166	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW09077	In classroom 178	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW09078	In classroom 180	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01994	In classroom 266	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01993	In classroom 278	Classroom Combination Sink	2.1	Pass	N/A	Testing Complete
LW01982	In classroom 366	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01981	In classroom 378	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW09080	In hallway across from 143	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01984	In hallway across from room 362	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02002	In hallway In front of room 162	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10629	In hallway in front of room 162	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10629	In hallway in front of room 162	Bottle Filler	<1	Pass	N/A	Testing Complete
LW01995	In hallway In front of room 262	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01996	In hallway In front of room 262	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01983	In hallway In front room 362	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW09094	In hallway left of Br 113	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10628	In hallway left of BR 113	Bottle Filler	<1	Pass	N/A	Testing Complete
LW09092	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW09090	In home economics 140	Classroom Sink	<1	Pass	N/A	Testing Complete
LW09089	In home economics 140	Classroom Sink	4.6	Pass	N/A	Testing Complete
LW09085	In home economics 140	Classroom Sink	<1	Pass	N/A	Testing Complete
LW09086	In home economics 140	Classroom Sink	4.1	Pass	N/A	Testing Complete

LW09087	In home economics 140	Classroom Sink	1.5	Pass	N/A	Testing Complete
LW09088	In home economics 140	Classroom Sink	<1	Pass	N/A	Testing Complete
LW09101	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW09106	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW09105	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW09107	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW09108	In kitchen	Ice Machine	<1	Pass	N/A	Testing Complete
LW09098	In locker room - girls	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01988	In media center 200	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW09075	In office 160A	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01998	In office 260A	Classroom Combination Sink	3.2	Pass	N/A	Testing Complete
LW01986	In office 360A	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
LW01986	In office 360A	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01986	In office 360A	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01986	In office 360A	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01985	In office 362	Classroom Combination Sink	2.9	Pass	N/A	Testing Complete
LW01999	In team room 151	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02000	In team room 173	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01991	In team room 251	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01992	In team room 273	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01979	In team room 351	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01980	In team room 371	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW09091	In work room 100F	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW09074	In work room 162	Classroom Combination Sink	3.8	Pass	N/A	Testing Complete
LW01997	In work room 262	Classroom Combination Sink	<1	Pass	N/A	Testing Complete



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

**Executive Summary:**  
**Rocky Hill Middle School**  
22401 Brick Haven Way  
Clarksburg, MD 20871

Date of Test Report:	5/17/2018
Round of Testing:	Initial
# of Outlets Tested:	57
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	9.9

**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: Rocky Hill Middle School  
22401 Brick Haven Way  
Clarksburg, MD 20871

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 Rocky Hill Middle School, located at 22401 Brick Haven Way, Clarksburg, MD 20871.

**Scope of Services:**

PSI conducted lead in water testing at Rocky Hill 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 4/18/18 and 4/19/18 to collect samples from 57 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 4/19/18 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 Rocky Hill Middle Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW01979	351	Team Room		Faucet	<1.0	Pass	Testing Complete
LW01980	371	Team Room		Faucet	2.4	Pass	Testing Complete
LW01981	378	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01982	366	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01983		Hallway	In Front Room 362	Cooler	<1.0	Pass	Testing Complete
LW01984		Hallway	Across from Room 362	Cooler	<1.0	Pass	Testing Complete
LW01985	362	Office		Faucet	<1.0	Pass	Testing Complete
LW01986	360A	Office		Faucet	1.7	Pass	Testing Complete
LW01987	208	Break Room		Faucet	<1.0	Pass	Testing Complete
LW01988	200	Media Center		Faucet	<1.0	Pass	Testing Complete
LW01989		Hallway	Left of Media Center	Cooler	<1.0	Pass	Testing Complete
LW01991	251	Team Room		Faucet	<1.0	Pass	Testing Complete
LW01992	273	Team Room		Faucet	<1.0	Pass	Testing Complete
LW01994	266	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01995		Hallway	In Front of Room 262	Cooler	<1.0	Pass	Testing Complete
LW01996		Hallway	In Front of Room 262	Cooler	<1.0	Pass	Testing Complete
LW01997	262	Work Room		Faucet	<1.0	Pass	Testing Complete
LW01998	260A	Office		Faucet	3.1	Pass	Testing Complete
LW01999	151	Team Room		Faucet	<1.0	Pass	Testing Complete
LW02000	173	Team Room		Faucet	<1.0	Pass	Testing Complete
LW02001		Hallway	In Front of Room 162	Cooler	<1.0	Pass	Testing Complete
LW02002		Hallway	In Front of Room 162	Cooler	<1.0	Pass	Testing Complete
LW09074	162	Work Room		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW09075	160A	Office		Faucet	4.6	Pass	Testing Complete
LW09076	166	Classroom		Faucet	<1.0	Pass	Testing Complete
LW09077	178	Classroom		Faucet	<1.0	Pass	Testing Complete
LW09078	180	Classroom		Faucet	<1.0	Pass	Testing Complete
LW09079		Hallway	Across From 143	Cooler	<1.0	Pass	Testing Complete
LW09080		Hallway	Across From 143	Cooler	<1.0	Pass	Testing Complete
LW09081	145A	Classroom		Faucet	9.4	Pass	Testing Complete
LW09082	149	Classroom		Faucet	3.3	Pass	Testing Complete
LW09083	142	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW09084	142	Art		Faucet	<1.0	Pass	Testing Complete
LW09085	140	Home Economics		Faucet	2.6	Pass	Testing Complete
LW09086	140	Home Economics		Faucet	4.2	Pass	Testing Complete
LW09087	140	Home Economics		Faucet	1.8	Pass	Testing Complete
LW09088	140	Home Economics		Faucet	1.1	Pass	Testing Complete
LW09089	140	Home Economics		Faucet	2.5	Pass	Testing Complete
LW09090	140	Home Economics		Faucet	1.4	Pass	Testing Complete
LW09091	100F	Work Room		Faucet	<1.0	Pass	Testing Complete
LW09092	102	Health Room		Faucet	<1.0	Pass	Testing Complete
LW09093	102	Health Room		Icemaker	<1.0	Pass	Testing Complete
LW09094		Hallway	Left of BR 113	Cooler	<1.0	Pass	Testing Complete
LW09095		Hallway	Right of BR 113	Cooler	<1.0	Pass	Testing Complete
LW09096		Hallway	Right Of Gym	Cooler	<1.0	Pass	Testing Complete
LW09097		Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW09098		Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW09099	105A	Choral		Faucet	<1.0	Pass	Testing Complete
LW09100		Cafeteria		Cooler	1.0	Pass	Testing Complete
LW09101		Kitchen		Faucet	1.5	Pass	Testing Complete
LW09102		Kitchen		Faucet	9.9	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW09103		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09104		Kitchen		Faucet	1.0	Pass	Testing Complete
LW09105		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09106		Kitchen		Faucet	1.0	Pass	Testing Complete
LW09107		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09108		Kitchen		Icemaker	<1.0	Pass	Testing Complete

\*ppb = parts per billion