



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

**Executive Summary:  
Gaithersburg Middle School**

2 Teachers Way  
Gaithersburg, MD 20877

Date of Test Report:	03/12/2018
Round of Testing:	Initial
# of Outlets Tested:	27
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	13.5

**Project Status**

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



March 12, 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: Gaithersburg Middle School  
2 Teachers Way  
Gaithersburg, MD 20877

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 Gaithersburg Middle School, located at 2 Teachers Way, Gaithersburg, MD 20877.

**Scope of Services:**

PSI conducted lead in water testing at Gaithersburg 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 01/31/18 and 02/01/18 to collect samples from 27 drinking water outlets in accordance with current criteria described by the Maryland Department of the Environment (MDE) Draft Lead in Drinking Water—Public and Nonpublic Schools, Title 26, Subtitle 16 Lead, Chapter 07.

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 02/01/18 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](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 Gaithersburg Middle School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00184		Hallway	Between Room 601 & 603	Cooler	<1.0	Pass	Testing Complete
LW00185		Locker Room - Girls	Inside Of Upper Auxiliary Gym	Cooler	<1.0	Pass	Testing Complete
LW00186		Locker Room - Boys	Inside Of Lower Auxiliary Gym	Cooler	<1.0	Pass	Testing Complete
LW00187		Hallway	Between Rm 404 & 402	Cooler	<1.0	Pass	Testing Complete
LW00188		Team Room	Next To BSM	Faucet	3.1	Pass	Testing Complete
LW00189		Hallway	Next To Room 300	Cooler	<1.0	Pass	Testing Complete
LW00190		Break Room Office	Inside Of Vision & Hearing Rm 201	Faucet	<1.0	Pass	Testing Complete
LW00191		Kitchen Cafeteria		Icemaker	<1.0	Pass	Testing Complete
LW00192		Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW00193		Kitchen Cafeteria		Faucet	5	Pass	Testing Complete
LW00194		Kitchen Cafeteria		Faucet	2.1	Pass	Testing Complete
LW00195		Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW00196		Kitchen Cafeteria		Faucet	1.2	Pass	Testing Complete
LW00197		Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW00198		Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW00199		Hallway	Across From Cafeteria	Cooler	<1.0	Pass	Testing Complete
LW00200		Special Ed	Conference Room	Faucet	1.8	Pass	Testing Complete
LW00201		Health Room		Faucet	1	Pass	Testing Complete
LW00202		Break Room Administration	Main Office 3rd Door On The Left	Faucet	1	Pass	Testing Complete
LW00203		Hallway Gymnasium	Right Of Ticket Office	Cooler	<1.0	Pass	Testing Complete
LW00204		Hallway	Right Of Room 500	Cooler	<1.0	Pass	Testing Complete
LW00205		Hallway	Across From Room 806	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00206		Hallway	Across From Room 705	Cooler	<1.0	Pass	Testing Complete
LW00207		Classroom	Classroom 703a	Faucet	13.5	Pass	Testing Complete
M13471		Media Center Media Center		Faucet	6.5	Pass	Testing Complete
M13529		Reading	Classroom 703	Faucet	3	Pass	Testing Complete
M13545		Hallway	Across Rm 109	Cooler	<1.0	Pass	Testing Complete

\*ppb = parts per billion