



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

**Executive Summary:**  
**Wayside Elementary School**  
10011 Glen Road,  
Potomac, MD 20854

Date of Test Report:	6/1/2018
Round of Testing:	Initial
# of Outlets Tested:	99
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	2.7

**Project Status**

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



June 1, 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: Wayside Elementary School  
10011 Glen Road,  
Potomac, MD 20854

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 Wayside Elementary School, located at 10011 Glen Road, Potomac, MD 20854.

**Scope of Services:**

PSI conducted lead in water testing at Wayside 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 4/23/18 and 4/24/18 to collect samples from 99 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 4/24/18 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 Wayside Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW02172	121	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02173	121	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02174	121	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02175	121	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02176	112	All Purpose Room		Faucet	<1.0	Pass	Testing Complete
LW02177	120	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02178	120	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02179	128	Music		Faucet	<1.0	Pass	Testing Complete
LW02180	128	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02181	124	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02182	124	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02183	119	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02184	119	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06843		Hallway	Across From Room 115	Cooler	<1.0	Pass	Testing Complete
LW06844		Hallway	Across From Room 115	Cooler	<1.0	Pass	Testing Complete
LW06845		Hallway	Across From Room 115	Cooler	<1.0	Pass	Testing Complete
LW06846	134	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06847	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06848	127	Office		Faucet	<1.0	Pass	Testing Complete
LW06849	127	Office		Bubbler - Indoor	1.3	Pass	Testing Complete
LW06850	135	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06851	135	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06852	136	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW06853	136	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06854	137	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06855	137	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07025	213	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07026	213	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07027	209	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07028	209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07029	204	Classroom		Faucet	1.7	Pass	Testing Complete
LW07030	204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07031	201	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07032	201	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07033	216	Classroom		Faucet	2.2	Pass	Testing Complete
LW07034	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07566	140	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07567	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07568	141	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07569	141	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07570		Hallway	Across From Room 149	Cooler	<1.0	Pass	Testing Complete
LW07571		Hallway	Across From Room 149	Cooler	<1.0	Pass	Testing Complete
LW07572	146	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07573	150	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07574	155	Break Room		Faucet	<1.0	Pass	Testing Complete
LW07575	152	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07576	156	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07577	161	Classroom		Faucet	1.4	Pass	Testing Complete
LW07578	180	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07579		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW07580		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW07581		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW07582	163	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07583	163	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07584	167	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07585	167	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07586	172	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07587	172	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07588	178	Speech Therapy		Faucet	<1.0	Pass	Testing Complete
LW07589	178	Speech Therapy		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07590	102	Health Room		Faucet	<1.0	Pass	Testing Complete
LW07591	102C	Health Room		Faucet	2.0	Pass	Testing Complete
LW07592	102B	Health Room		Faucet	1.8	Pass	Testing Complete
LW07593	100E	Work Room		Faucet	<1.0	Pass	Testing Complete
LW07594	103	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07595	103	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07596	103	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07597	107	Classroom		Faucet	1.5	Pass	Testing Complete
LW07598	107	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07599	107	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07600	104	Work Room Media Center		Faucet	1.2	Pass	Testing Complete
LW07601	104D	Classroom		Faucet	1.2	Pass	Testing Complete
LW07602	104D	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07603	166	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07605	170	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07607		Hallway	Across From Room 258	Cooler	<1.0	Pass	Testing Complete
LW07608		Hallway	Across From Room 258	Cooler	<1.0	Pass	Testing Complete
LW07609	243	Classroom		Faucet	2.7	Pass	Testing Complete
LW07610	239	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW07611	237	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07612	233	Classroom		Faucet	1.6	Pass	Testing Complete
LW07613	234	Classroom		Faucet	1.9	Pass	Testing Complete
LW07614		Hallway	Left Of Room 229	Cooler	<1.0	Pass	Testing Complete
LW07615		Hallway	Left Of Room 229	Cooler	<1.0	Pass	Testing Complete
LW07616		Hallway	Left Of Room 229	Cooler	<1.0	Pass	Testing Complete
LW07617	223	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07618	223	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07619	230	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07620	230	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07621	219	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07622	219	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07623	226	Classroom		Faucet	1.0	Pass	Testing Complete
LW07624	226	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07625		Hallway	Right Of Room 215	Cooler	<1.0	Pass	Testing Complete
LW07626		Hallway	Right Of Room 215	Cooler	<1.0	Pass	Testing Complete
LW07627	215	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07628	215	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07629	222	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07630	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

\*ppb = parts per billion