



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

**Executive Summary:**

**Washington Grove Elementary School**

8712 Oakmont Street  
Gaithersburg, MD 20877

Date of Test Report:	03/12/2018
Round of Testing:	Initial
# of Outlets Tested:	81
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	19.8

**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: Washington Grove Elementary School  
8712 Oakmont Street  
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 Washington Grove Elementary School, located at 8712 Oakmont Street, Gaithersburg, MD 20877.

**Scope of Services:**

PSI conducted lead in water testing at Washington Grove 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 02/06/18 and 02/07/18 to collect samples from 81 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 02/07/18 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 Washington Grove Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00290		Kitchen		Faucet	7.5	Pass	Testing Complete
LW00291		Kitchen		Faucet	2.5	Pass	Testing Complete
LW00292		Kitchen		Faucet	1.7	Pass	Testing Complete
LW00293		Kitchen		Faucet	6.6	Pass	Testing Complete
LW00294		Kitchen		Faucet	1	Pass	Testing Complete
LW00295	162	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00296	162	Classroom		Faucet	2.5	Pass	Testing Complete
LW00297	166	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00298	166	Classroom		Faucet	3.9	Pass	Testing Complete
LW00299	172	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00300	168	Classroom		Faucet	2.4	Pass	Testing Complete
LW00301	168	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00303	178	Classroom	ESOL	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00304	178	Classroom	ESOL	Faucet	1.1	Pass	Testing Complete
LW00305	180	Music		Faucet	5.5	Pass	Testing Complete
LW00306	180	Music		Bubbler - Indoor	19.8	Pass	Testing Complete
LW00307	175	Preschool		Faucet	<1.0	Pass	Testing Complete
LW00308	186	Classroom	PEP	Faucet	1.6	Pass	Testing Complete
LW00309	186	Classroom	PEP	Bubbler - Indoor	4.7	Pass	Testing Complete
LW00310	200	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW00311	200	Kindergarten		Faucet	1.4	Pass	Testing Complete
LW00312	200	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00313	172	Classroom		Faucet	3.2	Pass	Testing Complete
LW00314	174	Classroom		Faucet	3.3	Pass	Testing Complete
LW00315	174	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00316	171	Classroom	Art Room	Faucet	2.3	Pass	Testing Complete
LW00317	182	Classroom		Bubbler - Indoor	5.7	Pass	Testing Complete
LW00318	182	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00319	173	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00320	173	Classroom		Faucet	7.9	Pass	Testing Complete
LW00321		Hallway	Right Of Room 175	Cooler	<1.0	Pass	Testing Complete
LW00322	204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00323	204	Classroom		Faucet	1.2	Pass	Testing Complete
LW00324	210	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00325	210	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00325	210	Classroom		Faucet	2.4	Pass	Testing Complete
LW00326	208	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00327	208	Kindergarten		Faucet	1.6	Pass	Testing Complete
LW00328		Hallway	Between 229 & 227	Cooler	<1.0	Pass	Testing Complete
LW00329		Hallway	Between 229 & 227	Cooler	<1.0	Pass	Testing Complete
LW00330	218	Preschool		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00331	218	Preschool		Faucet	1.7	Pass	Testing Complete
LW00332	225	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00333	225	Kindergarten		Faucet	1.9	Pass	Testing Complete
LW00334	219	ESOL		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00335	219	ESOL		Faucet	1.8	Pass	Testing Complete
LW00336	207	Conference Room	Next To 209	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00337	207	Conference Room	Next To 209	Faucet	1	Pass	Testing Complete
LW00338	105	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00339	214	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00340	214	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00341	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00342	222	Classroom		Faucet	1.6	Pass	Testing Complete
LW00346	221	Classroom	Special Ed	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00347	101	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00348	101	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00349	115	Classroom		Faucet	1.3	Pass	Testing Complete
LW00350	115	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00352	105	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00353	113	Break Room	Staff Lounge	Faucet	1.2	Pass	Testing Complete
LW00354	119	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00355	119	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00356		Hallway	Across From 112	Cooler	<1.0	Pass	Testing Complete
LW00357		Hallway	Across From 112	Cooler	<1.0	Pass	Testing Complete
LW00358	116	ESOL		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00359	116	ESOL		Faucet	<1.0	Pass	Testing Complete
LW00360	137	Classroom		Faucet	4.1	Pass	Testing Complete
LW00361	139	Classroom		Faucet	4.5	Pass	Testing Complete
LW00362	141	Classroom		Faucet	7.3	Pass	Testing Complete
LW00363	143	Classroom		Faucet	6.8	Pass	Testing Complete
LW00364	153	Media Center		Faucet	14.6	Pass	Testing Complete
LW00365	112	Classroom	ESOL	Faucet	3.4	Pass	Testing Complete
LW00366	112	Classroom	ESOL	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00367	116	Classroom	ESOL	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00368	116	Classroom	ESOL	Faucet	2.5	Pass	Testing Complete
LW00369		Hallway Gymnasium	Left Of PE Office	Cooler	<1.0	Pass	Testing Complete
LW00370	134	Classroom		Faucet	6.7	Pass	Testing Complete
LW00371	136	Classroom		Faucet	2.9	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00372	138	Classroom		Faucet	5.3	Pass	Testing Complete
LW00373	144	Health Room		Faucet	1.7	Pass	Testing Complete
M02937		Hallway	Hall Left of BSM Office	Cooler	<1.0	Pass	Testing Complete

\*ppb = parts per billion