



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

Executive Summary:
Walt Whitman High School
7100 Whittier Boulevard,
Bethesda, MD 20817

Date of Test Report:	6/1/2018
Round of Testing:	Initial
# of Outlets Tested:	61
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	11.7

Project Status

Initial testing complete: All results less than 20 ppb.



June 7, 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: Walt Whitman High School
7100 Whittier Boulevard,
Bethesda, MD 20817

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 Walt Whitman High School, located at 7100 Whittier Boulevard, Bethesda, MD 20817.

Scope of Services:

PSI conducted lead in water testing at Walt Whitman High 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 61 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

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 Walt Whitman High School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08723		Hallway	Left Of C-328	Cooler	<1.0	Pass	Testing Complete
LW08724		Hallway	Left Of C-328	Cooler	<1.0	Pass	Testing Complete
LW08725	C-246	Social Studies Resource Center		Faucet	2.6	Pass	Testing Complete
LW08726		Hallway	Right Of W110	Cooler	<1.0	Pass	Testing Complete
LW08727		Hallway	Right Of W110	Cooler	<1.0	Pass	Testing Complete
LW08728		Hallway	In Front Of Theater Stage Door 2 Floor	Cooler	4.6	Pass	Testing Complete
LW08729		Hallway	In Front Of Theater Stage Door 2 Floor	Cooler	2.9	Pass	Testing Complete
LW08730		Office Day Care		Faucet	2.2	Pass	Testing Complete
LW08731	9	Day Care		Faucet	<1.0	Pass	Testing Complete
LW08732	A-206	Office		Faucet	<1.0	Pass	Testing Complete
LW08733	D213A	Computer Lab		Faucet	4.1	Pass	Testing Complete
LW08734	C-216	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW08915	A-148	Work Room Administration		Faucet	2.4	Pass	Testing Complete
LW08916		Hallway	Across From A-156	Cooler	<1.0	Pass	Testing Complete
LW08917		Hallway	Across From A-156	Cooler	<1.0	Pass	Testing Complete
LW08918		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08919		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08920		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08921		Kitchen		Faucet	1.7	Pass	Testing Complete
LW08922		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08923		Kitchen		Ice Maker	<1.0	Pass	Testing Complete
LW08924		Hallway	Next To C-119	Cooler	<1.0	Pass	Testing Complete
LW08925		Hallway	Next To C-119	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08926		Hallway	Next To C-119	Cooler	<1.0	Pass	Testing Complete
LW08927		Hallway	Next To C-119	Cooler	<1.0	Pass	Testing Complete
LW08928	B-123	Health Room		Faucet	<1.0	Pass	Testing Complete
LW08929		Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
LW08930		Hallway	Left Of C-328	Cooler	<1.0	Pass	Testing Complete
LW08970		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW08971		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW08972		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW08973	D112	Concession		Faucet	1.8	Pass	Testing Complete
LW08974	D112	Concession		Faucet	<1.0	Pass	Testing Complete
LW08975	D112	Concession		Ice Maker	<1.0	Pass	Testing Complete
LW08976		Locker Room - Womens		Cooler	<1.0	Pass	Testing Complete
LW08977		Locker Room - Mens		Cooler	<1.0	Pass	Testing Complete
LW08983		Hallway	In Front Of B214	Cooler	<1.0	Pass	Testing Complete
LW08984		Hallway	In Front Of B214	Cooler	<1.0	Pass	Testing Complete
LW08985		Hallway	In Front Of B214	Cooler	<1.0	Pass	Testing Complete
LW08986		Hallway	In Front Of D306	Cooler	<1.0	Pass	Testing Complete
LW08987		Hallway	In Front Of D306	Cooler	<1.0	Pass	Testing Complete
LW08988		Hallway	In Front Of D306	Cooler	<1.0	Pass	Testing Complete
LW08989		Hallway	In Front Of B312	Cooler	<1.0	Pass	Testing Complete
LW08991		Hallway	In Front Of B312	Cooler	<1.0	Pass	Testing Complete
LW08993		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
M41874	C209	Office Resource Center		Faucet	<1.0	Pass	Testing Complete
M41876	C222	Child Development		Faucet	2.4	Pass	Testing Complete
M41877	C222	Child Development		Faucet	1.6	Pass	Testing Complete
M41878	C222	Child Development		Faucet	1.1	Pass	Testing Complete
M41925	A-233	Break Room	Across CR A225	Faucet	<1.0	Pass	Testing Complete
M42152	A139	Conference		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M42153	A139	Conference		Instant Hot Water	<1.0	Pass	Testing Complete
M42156	A-113	Work Room Counselor		Faucet	<1.0	Pass	Testing Complete
M42167	C-110	Break Room		Faucet	<1.0	Pass	Testing Complete
M42171		Kitchen		Faucet	<1.0	Pass	Testing Complete
M42172		Kitchen		Faucet	1.1	Pass	Testing Complete
M42175		Kitchen		Faucet	<1.0	Pass	Testing Complete
M42176		Kitchen		Faucet	11.7	Pass	Testing Complete
M42223	B-311	Break Room	3rd Floor	Faucet	1.4	Pass	Testing Complete
M42240	C310	Office		Faucet	<1.0	Pass	Testing Complete
M42388	A307	Computer Lab		Faucet	3.1	Pass	Testing Complete

*ppb = parts per billion