



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary:
Thomas W. Pyle Middle School
6311 Wilson Lane,
Bethesda, MD 20817

Date of Test Report:	6/15/2018
Round of Testing:	Initial
# of Outlets Tested:	41
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	3.4

Project Status
Initial testing complete: All results less than 20 ppb.



June 15, 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: Thomas W. Pyle Middle School
6311 Wilson Lane,
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 Thomas W. Pyle Middle School, located at 6311 Wilson Lane, Bethesda, MD 20817.

Scope of Services:

PSI conducted lead in water testing at Thomas W. Pyle 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 4/24/18 and 4/25/18 to collect samples from 41 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 4/25/18 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 Thomas W. Pyle Middle School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW09352	134	Health Room		Faucet	1.4	Pass	Testing Complete
LW09353	120	Kitchen		Ice Maker	<1.0	Pass	Testing Complete
LW09354	120	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09355	120	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09356	120	Kitchen		Faucet	1.0	Pass	Testing Complete
LW09357	120	Kitchen		Faucet	2.2	Pass	Testing Complete
LW09358	120	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09359	120	Kitchen		Faucet	1.7	Pass	Testing Complete
LW09360	120	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09361	120	Kitchen		Faucet	1.0	Pass	Testing Complete
LW09362	120	Kitchen		Faucet	1.5	Pass	Testing Complete
LW09363		Hallway	Next To 122a	Cooler	<1.0	Pass	Testing Complete
LW09364	122A	Costume Room		Faucet	3.4	Pass	Testing Complete
LW09365	118	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW09366	118E	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW09367		Hallway	Left Of 121	Cooler	<1.0	Pass	Testing Complete
LW09368		Hallway	Across From 126 Gym	Cooler	<1.0	Pass	Testing Complete
LW09369		Hallway	Across From 137	Cooler	<1.0	Pass	Testing Complete
LW09370		Hallway	Across From 137	Cooler	<1.0	Pass	Testing Complete
LW09371	137	Break Room		Faucet	<1.0	Pass	Testing Complete
LW09372		Hallway	Across From 39c	Cooler	<1.0	Pass	Testing Complete
LW09373		Hallway	Across From 39c	Faucet	<1.0	Pass	Testing Complete
LW09374		Hallway	Left Of 47	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW09375		Hallway	Left Of 47	Cooler	<1.0	Pass	Testing Complete
LW09376	246	Break Room		Faucet	<1.0	Pass	Testing Complete
LW09377	234	Work Room		Faucet	<1.0	Pass	Testing Complete
LW09378		Hallway	Across From Cr237	Cooler	<1.0	Pass	Testing Complete
LW09379		Hallway	Across From Cr237	Cooler	<1.0	Pass	Testing Complete
LW09380	216	Classroom		Faucet	<1.0	Pass	Testing Complete
LW09381	218	Home Economics		Faucet	1.3	Pass	Testing Complete
LW09382	218	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW09383	218	Home Economics		Faucet	1.1	Pass	Testing Complete
LW09384	218	Home Economics		Faucet	1.5	Pass	Testing Complete
LW09385	218	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW09386	218	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW09387		Hallway	Left Of 223	Cooler	<1.0	Pass	Testing Complete
M36206	232	Team Room		Faucet	1.0	Pass	Testing Complete
M36255	140	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M36258	135	Office	Finance Office	Faucet	<1.0	Pass	Testing Complete
M36380	100H	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
M36401	39	Classroom		Faucet	2.7	Pass	Testing Complete

*ppb = parts per billion