



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary:
Earle B. Wood Middle School
14615 Bauer Drive
Rockville, MD 20853

Date of Test Report:	04/03/2018
Round of Testing:	Initial
# of Outlets Tested:	57
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	6.0

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



April 3, 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: Earle B. Wood Middle School
14615 Bauer Drive
Rockville, MD 20853

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 Earle B. Wood Middle School, located at 14615 Bauer Drive, Rockville, MD 20853.

Scope of Services:

PSI conducted lead in water testing at Earle B. Wood 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 03/05/18 and 03/06/18 to collect samples from 57 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 03/06/18 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 Earle B. Wood Middle School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW07258	232B	Break Room		Faucet	<1.0	Pass	Testing Complete
LW07259	234	Classroom		Faucet	1.5	Pass	Testing Complete
LW07261		Hallway	Next To Room 258	Cooler	<1.0	Pass	Testing Complete
LW07262		Hallway	Next To Room 258	Cooler	<1.0	Pass	Testing Complete
LW07263	252	Break Room		Faucet	<1.0	Pass	Testing Complete
LW07264		Hallway	In Front Of Cafeteria	Cooler	<1.0	Pass	Testing Complete
LW07265		Hallway	In Front Of Cafeteria	Cooler	<1.0	Pass	Testing Complete
LW07266	304	Health Room		Faucet	<1.0	Pass	Testing Complete
LW07267		Hallway	In Front Of Room 280	Cooler	<1.0	Pass	Testing Complete
LW07268		Hallway	In Front Of Room 280	Cooler	<1.0	Pass	Testing Complete
LW07269		Hallway	Across From Main Office	Cooler	<1.0	Pass	Testing Complete
LW07270	202	Music		Faucet	2.9	Pass	Testing Complete
LW07271		Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW07272		Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW07273		Kitchen		Faucet	1.2	Pass	Testing Complete
LW07274		Kitchen		Faucet	1.6	Pass	Testing Complete
LW07275		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW07276		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW07277		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW07278		Kitchen		Faucet	2.0	Pass	Testing Complete
LW07279		Kitchen		Faucet	5.9	Pass	Testing Complete
LW07281	100A	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW07282		Hallway	In Front Of Girls Locker	Cooler	<1.0	Pass	Testing Complete
LW07283		Work Room Office	Inside Of Phys Ed Office	Faucet	<1.0	Pass	Testing Complete
M36940		Copy Room	Administration	Faucet	<1.0	Pass	Testing Complete
M36952		Kitchen		Ice Maker	<1.0	Pass	Testing Complete
M36973	210	Classroom		Faucet	<1.0	Pass	Testing Complete
M36976	212	Classroom		Faucet	1.2	Pass	Testing Complete
M36986		Hallway	Next to Room 265	Cooler	<1.0	Pass	Testing Complete
M36987		Hallway	Next to Room 265	Cooler	<1.0	Pass	Testing Complete
M36988	230A	Work Room	Inside Of Room 230	Faucet	3.8	Pass	Testing Complete
M37012	232A	Team Rm		Faucet	1.8	Pass	Testing Complete
M37015	243	Classroom		Faucet	1.1	Pass	Testing Complete
M37016	243	Classroom		Faucet	1.8	Pass	Testing Complete
M37017	243	Classroom		Faucet	2.5	Pass	Testing Complete
M37032	279B	Team Room		Faucet	1.2	Pass	Testing Complete
M37046	221A	Material Prep		Faucet	1.2	Pass	Testing Complete
M37047	277B	Special Ed		Faucet	<1.0	Pass	Testing Complete
M37056		Hallway	In Front Of Room 271	Cooler	<1.0	Pass	Testing Complete
M37057		Hallway	In Front Of Room 221	Cooler	<1.0	Pass	Testing Complete
M37075	302C	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M37077	281	Classroom		Faucet	1.7	Pass	Testing Complete
M37078	281	Classroom		Faucet	1.1	Pass	Testing Complete
M37079	281	Classroom		Faucet	6.0	Pass	Testing Complete
M37080	286	Classroom		Faucet	1.0	Pass	Testing Complete
M37081	283A	Conference Room		Faucet	1.4	Pass	Testing Complete
M37082	283B	Team Room		Faucet	2.8	Pass	Testing Complete
M37107		Hallway	Across Room245	Cooler	<1.0	Pass	Testing Complete
M37108		Hallway	Across Room 245	Cooler	<1.0	Pass	Testing Complete
M37110		Hallway	Next to Room 107B	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M37111		Hallway	Next to Room 107B	Cooler	<1.0	Pass	Testing Complete
M37117	104	Classroom		Faucet	<1.0	Pass	Testing Complete
M37118	102	Classroom		Faucet	<1.0	Pass	Testing Complete
M37125	100A	Work Room		Faucet	<1.0	Pass	Testing Complete
M37135		Hallway	Next to Room 101A	Cooler	<1.0	Pass	Testing Complete
M37136		Hallway	Next to Room 101A	Cooler	<1.0	Pass	Testing Complete
M37142		Girls Locker Room		Cooler	<1.0	Pass	Testing Complete

*ppb = parts per billion