MONTGOMERY COUNTY PUBLIC SCHOOLS
LEAD IN DRINKING WATER TESTING 2018

Executive Summary:
Blair G. Ewing Center

14501 Avery Rd.
Rockville, MD 20853

Date of Test Report:	04/03/2018
Round of Testing:	Initial
# of Outlets Tested:	19
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	11.0

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: Blair G. Ewing Center
14501 Avery Rd.
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 Blair G. Ewing Center, located at 14501 Avery Rd., Rockville, MD 20853.

Scope of Services:

PSI conducted lead in water testing at Blair G. Ewing Center 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 02/28/18 and 03/01/18 to collect samples from 19 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 03/01/18 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.

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 Blair G. Ewing Center

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW06638		Kitchen		Faucet	2.6	Pass	Testing Complete
LW06639		Kitchen		Faucet	1.8	Pass	Testing Complete
LW06640		Kitchen		Faucet	10.1	Pass	Testing Complete
LW06641		Kitchen		Faucet	5.4	Pass	Testing Complete
LW06642		Hallway	Next To Dining Room Ii	Cooler	3.9	Pass	Testing Complete
LW06643		Hallway	Across From L1	Cooler	<1.0	Pass	Testing Complete
LW06644		Hallway	Across From M1	Cooler	<1.0	Pass	Testing Complete
LW06645	M17	Science		Faucet	5.2	Pass	Testing Complete
LW06647		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
LW06648	AB-6	Classroom		Faucet	2.2	Pass	Testing Complete
LW06650	AB-2	Break Room		Faucet	5.6	Pass	Testing Complete
LW06651	AB-2	Break Room		Faucet	1.8	Pass	Testing Complete
LW06652		Hallway	Across From Ab-1	Cooler	11.0	Pass	Testing Complete
LW06653		Hallway	Across From U1	Cooler	2.3	Pass	Testing Complete
LW06654		Health Room		Faucet	5.6	Pass	Testing Complete
LW06655		Hallway	Left Of Elevator Upper Level	Cooler	1.2	Pass	Testing Complete
LW06656	RC-8	Work Room Media Center	Production Room	Faucet	4.4	Pass	Testing Complete
M12449		Kitchen		Faucet	8.0	Pass	Testing Complete
M12461		Hallway	Next to A 15	Cooler	4.3	Pass	Testing Complete

*ppb = parts per billion