



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

Executive Summary:
Rocky Hill Middle School
22401 Brick Haven Way
Clarksburg, MD 20871

Date of Test Report:	5/17/2018
Round of Testing:	Initial
# of Outlets Tested:	57
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	9.9

Project Status

Initial testing complete: All results less than 20 ppb.



May 17, 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: Rocky Hill Middle School
22401 Brick Haven Way
Clarksburg, MD 20871

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 Rocky Hill Middle School, located at 22401 Brick Haven Way, Clarksburg, MD 20871.

Scope of Services:

PSI conducted lead in water testing at Rocky Hill 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 4/18/18 and 4/19/18 to collect samples from 57 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 4/19/18 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 Rocky Hill Middle Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW01979	351	Team Room		Faucet	<1.0	Pass	Testing Complete
LW01980	371	Team Room		Faucet	2.4	Pass	Testing Complete
LW01981	378	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01982	366	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01983		Hallway	In Front Room 362	Cooler	<1.0	Pass	Testing Complete
LW01984		Hallway	Across from Room 362	Cooler	<1.0	Pass	Testing Complete
LW01985	362	Office		Faucet	<1.0	Pass	Testing Complete
LW01986	360A	Office		Faucet	1.7	Pass	Testing Complete
LW01987	208	Break Room		Faucet	<1.0	Pass	Testing Complete
LW01988	200	Media Center		Faucet	<1.0	Pass	Testing Complete
LW01989		Hallway	Left of Media Center	Cooler	<1.0	Pass	Testing Complete
LW01991	251	Team Room		Faucet	<1.0	Pass	Testing Complete
LW01992	273	Team Room		Faucet	<1.0	Pass	Testing Complete
LW01994	266	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01995		Hallway	In Front of Room 262	Cooler	<1.0	Pass	Testing Complete
LW01996		Hallway	In Front of Room 262	Cooler	<1.0	Pass	Testing Complete
LW01997	262	Work Room		Faucet	<1.0	Pass	Testing Complete
LW01998	260A	Office		Faucet	3.1	Pass	Testing Complete
LW01999	151	Team Room		Faucet	<1.0	Pass	Testing Complete
LW02000	173	Team Room		Faucet	<1.0	Pass	Testing Complete
LW02001		Hallway	In Front of Room 162	Cooler	<1.0	Pass	Testing Complete
LW02002		Hallway	In Front of Room 162	Cooler	<1.0	Pass	Testing Complete
LW09074	162	Work Room		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW09075	160A	Office		Faucet	4.6	Pass	Testing Complete
LW09076	166	Classroom		Faucet	<1.0	Pass	Testing Complete
LW09077	178	Classroom		Faucet	<1.0	Pass	Testing Complete
LW09078	180	Classroom		Faucet	<1.0	Pass	Testing Complete
LW09079		Hallway	Across From 143	Cooler	<1.0	Pass	Testing Complete
LW09080		Hallway	Across From 143	Cooler	<1.0	Pass	Testing Complete
LW09081	145A	Classroom		Faucet	9.4	Pass	Testing Complete
LW09082	149	Classroom		Faucet	3.3	Pass	Testing Complete
LW09083	142	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW09084	142	Art		Faucet	<1.0	Pass	Testing Complete
LW09085	140	Home Economics		Faucet	2.6	Pass	Testing Complete
LW09086	140	Home Economics		Faucet	4.2	Pass	Testing Complete
LW09087	140	Home Economics		Faucet	1.8	Pass	Testing Complete
LW09088	140	Home Economics		Faucet	1.1	Pass	Testing Complete
LW09089	140	Home Economics		Faucet	2.5	Pass	Testing Complete
LW09090	140	Home Economics		Faucet	1.4	Pass	Testing Complete
LW09091	100F	Work Room		Faucet	<1.0	Pass	Testing Complete
LW09092	102	Health Room		Faucet	<1.0	Pass	Testing Complete
LW09093	102	Health Room		Icemaker	<1.0	Pass	Testing Complete
LW09094		Hallway	Left of BR 113	Cooler	<1.0	Pass	Testing Complete
LW09095		Hallway	Right of BR 113	Cooler	<1.0	Pass	Testing Complete
LW09096		Hallway	Right Of Gym	Cooler	<1.0	Pass	Testing Complete
LW09097		Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW09098		Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW09099	105A	Choral		Faucet	<1.0	Pass	Testing Complete
LW09100		Cafeteria		Cooler	1.0	Pass	Testing Complete
LW09101		Kitchen		Faucet	1.5	Pass	Testing Complete
LW09102		Kitchen		Faucet	9.9	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW09103		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09104		Kitchen		Faucet	1.0	Pass	Testing Complete
LW09105		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09106		Kitchen		Faucet	1.0	Pass	Testing Complete
LW09107		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW09108		Kitchen		Icemaker	<1.0	Pass	Testing Complete

*ppb = parts per billion