



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

### **Executive Summary:**

#### **Rock Terrace School**

390 Martins Lane  
Rockville, MD 20850

Date of Test Report:	6/27/2018
Round of Testing:	Initial
# of Outlets Tested:	39
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	9.2

#### **Project Status**

**Initial testing complete:** All results less than 20 ppb.



June 27, 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: Rock Terrace School  
390 Martins Lane  
Rockville, MD 20850

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 Rock Terrace School, located at 390 Martins Lane, Rockville, MD 20850.

**Scope of Services:**

PSI conducted lead in water testing at Rock Terrace 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 4/26/18 and 4/27/18 to collect samples from 39 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 4/27/18 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](mailto: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 Rock Terrace School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW11869		Kitchen		Faucet	1.3	Pass	Testing Complete
LW11870		Kitchen		Faucet	1.9	Pass	Testing Complete
LW11871		Hallway	Right Of 8	Cooler	<1.0	Pass	Testing Complete
LW11873	9	Classroom		Faucet	1.7	Pass	Testing Complete
LW11874	9	Classroom		Bubbler - Indoor	6.5	Pass	Testing Complete
LW11875	12	Classroom		Bubbler - Indoor	5.4	Pass	Testing Complete
LW11877		Hallway	Right Of 13	Cooler	3.5	Pass	Testing Complete
LW11878		Hallway	Right Of 13	Cooler	2.9	Pass	Testing Complete
LW11879	14	Classroom		Faucet	5.2	Pass	Testing Complete
LW11880	13	Classroom		Faucet	9.2	Pass	Testing Complete
LW11881		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW11882		Hallway	In Front Of Gym	Cooler	<1.0	Pass	Testing Complete
LW11883	5	Classroom		Faucet	<1.0	Pass	Testing Complete
LW11884	5	Classroom		Faucet	<1.0	Pass	Testing Complete
LW11884	5	Classroom		Faucet	<1.0	Pass	Testing Complete
LW11886	2	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
LW11887	1A	Classroom		Faucet	6.8	Pass	Testing Complete
LW11888	1A	Classroom		Faucet	4.8	Pass	Testing Complete
LW11889		Break Room	Next To Kitchen	Faucet	1.0	Pass	Testing Complete
M11457		Hallway	Next to IMC Instructional Materials Center	Cooler	1.7	Pass	Testing Complete
M11458		Media Center	IMC	Faucet	5.2	Pass	Testing Complete
M11464	11	Classroom		Faucet	5.4	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M11487		Health		Faucet	<1.0	Pass	Testing Complete
M11488	10	Classroom		Faucet	1.5	Pass	Testing Complete
M11495	12	Classroom		Faucet	2.1	Pass	Testing Complete
M11499		Cafeteria		Cooler	2.3	Pass	Testing Complete
M11500		Kitchen		Ice Maker	<1.0	Pass	Testing Complete
M11501		Kitchen		Faucet	1.3	Pass	Testing Complete
M11503		Kitchen		Faucet	1.4	Pass	Testing Complete
M11504		Kitchen		Faucet	5.4	Pass	Testing Complete
M11515		Hallway	Right Of Rm 7	Cooler	2.6	Pass	Testing Complete
M11516		Hallway	Right Of Room 7	Cooler	2.3	Pass	Testing Complete
M11525	1	Break Room	Life Skills	Faucet	1.8	Pass	Testing Complete
M11527		Hallway	Next to CR 1 Life Skills 1 of 2 LTR	Cooler	3.4	Pass	Testing Complete
M11528		Hallway	Next to CR 1 Life Skills 2 of 2 LTR	Cooler	3.3	Pass	Testing Complete
M11529	2	Classroom		Faucet	1.3	Pass	Testing Complete
M11531	4	Classroom		Faucet	1.1	Pass	Testing Complete
M11538		Wood Shop		Cooler	<1.0	Pass	Testing Complete
M11541	1A	Classroom		Cooler	5.3	Pass	Testing Complete

\*ppb = parts per billion