



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

**Executive Summary:**  
**Neelsville Middle School**  
11700 Neelsville Church Road  
Germantown, MD 20876

Date of Test Report:	03/20/2018
Round of Testing:	Initial
# of Outlets Tested:	30
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	10

### **Project Status**

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



March 20, 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: Neelsville Middle School  
11700 Neelsville Church Road  
Germantown, MD 20876

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 Neelsville Middle School, located at 11700 Neelsville Church Road, in Germantown, MD 20876.

**Scope of Services:**

PSI conducted lead in water testing at Neelsville 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 02/22/18 and 02/23/18 to collect samples from 30 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 02/23/18 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  
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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 Neelsville Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW01167		Hallway	Across From CR 223	Cooler	<1.0	Pass	Testing Complete
LW01168	225	ESOL	Special Education Class	Faucet	6.5	Pass	Testing Complete
LW01169	234	Office	Science Office	Faucet	4.9	Pass	Testing Complete
LW01170	233	Office	Science Office	Faucet	2.7	Pass	Testing Complete
LW01172		Hallway	Left Of CR 112	Cooler	<1.0	Pass	Testing Complete
LW01173		Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW01174		Kitchen Cafeteria		Faucet	1.5	Pass	Testing Complete
LW01175		Kitchen Cafeteria		Faucet	2.3	Pass	Testing Complete
LW01176		Kitchen Cafeteria		Faucet	2	Pass	Testing Complete
LW01177		Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW01178		Kitchen Cafeteria		Icemaker	<1.0	Pass	Testing Complete
LW02355		Hallway	Across From CR 244	Cooler	<1.0	Pass	Testing Complete
LW02356		Health Room		Faucet	<1.0	Pass	Testing Complete
LW02357		Hallway	Outside Of General Office	Cooler	<1.0	Pass	Testing Complete
LW02358		Hallway	Outside Of General Office	Cooler	<1.0	Pass	Testing Complete
LW02359	100	Music Storage		Bubbler - Indoor	1.2	Pass	Testing Complete
LW02360		Hallway	Across From Cafeteria	Cooler	<1.0	Pass	Testing Complete
LW02361	107	Home Economics		Faucet	1.2	Pass	Testing Complete
LW02362	107	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW02363	107	Home Economics		Faucet	2.2	Pass	Testing Complete
LW02365	107	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW02366	110	Fitness Room		Cooler	1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
M15894	239	Work Room		Faucet	4	Pass	Testing Complete
M15895	215	ESOL	Special Education Class	Faucet	10	Pass	Testing Complete
M15917	252	Classroom	Special Education	Faucet	6	Pass	Testing Complete
M15918		Break Room	Next to Ramp	Faucet	<1.0	Pass	Testing Complete
M15919		Work Room Administration		Faucet	<1.0	Pass	Testing Complete
M15977	106	Girls Locker Room Gymnasium		Bubbler - Indoor	<1.0	Pass	Testing Complete
M15982	103	Boys Locker Room Gymnasium		Bubbler	1.2	Pass	Testing Complete
M16005	100	Music Storage	In Back Room	Faucet	2.6	Pass	Testing Complete

\*ppb = parts per billion