



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

**Executive Summary:  
Takoma Park Middle School**

7611 Piney Branch Rd  
Silver Spring, MD 20910

Date of Test Report:	03/20/2018
Round of Testing:	Initial
# of Outlets Tested:	55
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	11.6

**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: Takoma Park Middle School  
7611 Piney Branch Rd  
Silver Spring, MD 20910

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 Takoma Park Middle School, located at 7611 Piney Branch Rd, Silver Spring, MD 20910.

**Scope of Services:**

PSI conducted lead in water testing at Takoma Park 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 02/12/18 and 02/13/18 to collect samples from 55 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 02/13/18 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 Takoma Park Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW02289		Hallway	In Front Of 112	Cooler	<1.0	Pass	Testing Complete
LW02290		Hallway	In Front Of 112	Cooler	<1.0	Pass	Testing Complete
LW02291	413	Health Room		Faucet	<1.0	Pass	Testing Complete
LW02292		Hallway	In Front Of 145	Cooler	<1.0	Pass	Testing Complete
LW02293		Hallway	In Front Of 145	Cooler	1.5	Pass	Testing Complete
LW02294	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW02295	140	Home Economics		Faucet	1.5	Pass	Testing Complete
LW02296	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW02297	140	Home Economics		Faucet	1.6	Pass	Testing Complete
LW02298	140	Home Economics		Faucet	1	Pass	Testing Complete
LW02299	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
LW02302	145C	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02303		Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW02304		Hallway	In Front Of Boys Locker Room	Cooler	<1.0	Pass	Testing Complete
LW02305		Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW02306		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02307		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02308		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02309		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02310		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02311		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02312		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02314	182D	Music Storage		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02315		Hallway	In Front Of 212	Cooler	<1.0	Pass	Testing Complete
LW02316		Hallway	In Front Of 212	Cooler	<1.0	Pass	Testing Complete
LW02317		Hallway	Next To IMC 230	Cooler	<1.0	Pass	Testing Complete
LW02318		Hallway	In Front Of 312	Cooler	<1.0	Pass	Testing Complete
LW02319		Hallway	In Front Of 312	Cooler	<1.0	Pass	Testing Complete
LW02320		Team Room		Faucet	1.7	Pass	Testing Complete
M27168	105B	Magnet Suite		Faucet	<1.0	Pass	Testing Complete
M44106	421	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
M44122	145C	Classroom		Faucet	1.5	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
M44124		Security		Faucet	2	Pass	Testing Complete
M44132	149	Computer Lab		Faucet	2.1	Pass	Testing Complete
M44135	121	Team Rm		Faucet	3	Pass	Testing Complete
M44136	117	Classroom		Faucet	3.3	Pass	Testing Complete
M44137	122	Classroom		Faucet	4	Pass	Testing Complete
M44139	101	Team Rm		Faucet	1	Pass	Testing Complete
M44140	120	Classroom		Faucet	1.1	Pass	Testing Complete
M44141	114	Classroom		Faucet	1.4	Pass	Testing Complete
M44151	110A	Work Room	Next To 110	Faucet	1.2	Pass	Testing Complete
M44177		Kitchen		Ice Maker	<1.0	Pass	Testing Complete
M44181	182E	Music Storage		Faucet	5.3	Pass	Testing Complete
M44210	229	Break Room		Faucet	<1.0	Pass	Testing Complete
M44220	230C	Media Center Media Center		Faucet	<1.0	Pass	Testing Complete
M44222	221	Team Rm		Faucet	1	Pass	Testing Complete
M44223	201	Team Rm		Faucet	1.4	Pass	Testing Complete
M44225	222	Special Ed		Faucet	11.6	Pass	Testing Complete
M44226	214	Classroom		Faucet	<1.0	Pass	Testing Complete
M44236	212A	Chemical Stock Room		Faucet	1.5	Pass	Testing Complete
M44237	210A	Work Room		Faucet	<1.0	Pass	Testing Complete
M44257	321	Team Rm		Faucet	1.2	Pass	Testing Complete
M44267	312A	Chemical Stock Room		Faucet	4.3	Pass	Testing Complete
M44268	310A	Work Room		Faucet	1.5	Pass	Testing Complete
M44286	314	Classroom		Faucet	1.8	Pass	Testing Complete

\*ppb = parts per billion