



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary:
Lakelands Park Middle School
1200 Main Street,
Gaithersburg, MD 20878

Date of Test Report:	5/11/2018
Round of Testing:	Initial
# of Outlets Tested:	54
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	1.8

Project Status

Initial testing complete: All results less than 20 ppb.



May 11, 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: Lakelands Park Middle School
1200 Main Street,
Gaithersburg, MD 20878

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 Lakelands Park Middle School, located at 1200 Main Street, Gaithersburg, MD 20878.

Scope of Services:

PSI conducted lead in water testing at Lakelands 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 4/16/18 and 4/17/18 to collect samples from 54 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 4/17/18 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 Lakelands Park Middle School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW02367	101	All Purpose Room		Cooler	<1.0	Pass	Testing Complete
LW02369	128	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW02370	145A	Office Computer Lab		Faucet	<1.0	Pass	Testing Complete
LW02371		Hallway	Across from Cr 162	Cooler	<1.0	Pass	Testing Complete
LW02372		Hallway	Across from Rm 262	Cooler	<1.0	Pass	Testing Complete
LW02373		Hallway	Across from Rm 362	Cooler	<1.0	Pass	Testing Complete
LW02374		Hallway	Across from Cr 362	Cooler	<1.0	Pass	Testing Complete
M06262		Hallway	Across CR 162	Cooler	<1.0	Pass	Testing Complete
M06271	173	Team Room		Faucet	<1.0	Pass	Testing Complete
M06298	178	Special Ed		Faucet	<1.0	Pass	Testing Complete
M06299	180	Classroom		Faucet	<1.0	Pass	Testing Complete
M06300	171	Supply Room		Faucet	<1.0	Pass	Testing Complete
M06309		Hallway	Across 141	Cooler	<1.0	Pass	Testing Complete
M06310		Hallway	Across 141	Cooler	<1.0	Pass	Testing Complete
M06311	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
M06313	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
M06314	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
M06316	140	Home Economics		Faucet	<1.0	Pass	Testing Complete
M06325	149	Classroom		Faucet	<1.0	Pass	Testing Complete
M06326		Hallway	Left Of 109	Cooler	<1.0	Pass	Testing Complete
M06327		Hallway	Left Of 109	Cooler	<1.0	Pass	Testing Complete
M06343		Hallway	Outside 121	Cooler	<1.0	Pass	Testing Complete
M06345		Girls Locker Room		Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M06353	103D	Storage Music	Inside of Rm 105 & 103	Faucet	<1.0	Pass	Testing Complete
M06354	105A	Storage Music	Inside of Rm 105	Bubbler - Indoor	<1.0	Pass	Testing Complete
M06360	101	Kitchen		Faucet	<1.0	Pass	Testing Complete
M06361	101	Kitchen		Faucet	<1.0	Pass	Testing Complete
M06362	101	Kitchen		Faucet	<1.0	Pass	Testing Complete
M06364		Kitchen		Faucet	<1.0	Pass	Testing Complete
M06367	101	Kitchen		Ice Maker	<1.0	Pass	Testing Complete
M06368	100F	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
M06371	102	Health		Faucet	<1.0	Pass	Testing Complete
M06374	208	Break Room	Staff	Faucet	<1.0	Pass	Testing Complete
M06377		Hallway	Outside IMC 200	Cooler	<1.0	Pass	Testing Complete
M06378		Hallway	Outside IMC 200	Cooler	<1.0	Pass	Testing Complete
M06385	200B	Media Center		Faucet	<1.0	Pass	Testing Complete
M06387	273	Team Rm		Faucet	<1.0	Pass	Testing Complete
M06388	251	Team Rm		Faucet	<1.0	Pass	Testing Complete
M06390		Hallway	Across 262	Cooler	<1.0	Pass	Testing Complete
M06419	278	Classroom		Faucet	<1.0	Pass	Testing Complete
M06422	371	Office		Faucet	<1.0	Pass	Testing Complete
M06423	351	Office		Faucet	<1.0	Pass	Testing Complete
M06461	378	Classroom		Faucet	<1.0	Pass	Testing Complete
M06317	140B	Storage Home Economics		Faucet	2	Pass	Testing Complete
M06352	105A	Storage Music	Inside of 105	Faucet	1.8	Pass	Testing Complete
M06418	271	Office		Faucet	1.8	Pass	Testing Complete
M06359	101	Kitchen		Faucet	1.4	Pass	Testing Complete
M06315	140	Home Economics		Faucet	1.3	Pass	Testing Complete
M06274	160A	Storage Classroom	Inside of 160	Faucet	1.2	Pass	Testing Complete
M06312	140	Home Economics		Faucet	1.2	Pass	Testing Complete
M06363		Kitchen		Faucet	1.2	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M06417	266	Classroom		Faucet	1.1	Pass	Testing Complete
LW02368	101	Kitchen		Faucet	1.0	Pass	Testing Complete
M06270	151	Team Room		Faucet	1.0	Pass	Testing Complete

*ppb = parts per billion