



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

Executive Summary:
Paint Branch High School
14121 Old Columbia Pike
Burtonsville, MD 20866

Date of Test Report:	5/16/2018
Round of Testing:	Initial
# of Outlets Tested:	95
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	13.4

Project Status

Initial testing complete: All results less than 20 ppb.



May 16, 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: Paint Branch High School
14121 Old Columbia Pike
Burtonsville, MD 20866

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 Paint Branch High School, located at 14121 Old Columbia Pike, Burtonsville, MD 20866.

Scope of Services:

PSI conducted lead in water testing at Paint Branch High 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 4/4/18 and 4/5/18 to collect samples from 95 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 4/5/18 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 Paint Branch High School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW02156	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02157	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02158	1005	Concession		Faucet	<1.0	Pass	Testing Complete
LW07554	1005	Concession		Faucet	1.0	Pass	Testing Complete
LW07555	1005	Concession		Icemaker	<1.0	Pass	Testing Complete
M31173	1222	Break Room		Faucet	<1.0	Pass	Testing Complete
M31175	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31176	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31177	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31178	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31181	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31182	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31183	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31184	1215	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31185	1215	Kitchen		Icemaker	<1.0	Pass	Testing Complete
M31189	1038C	Kitchen		Faucet	1.4	Pass	Testing Complete
M31190	1038C	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31191	1038C	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31192	1038C	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31193	1038C	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31194	1038C	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31195	1038C	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31196	1038C	Kitchen		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M31197	1038C	Kitchen		Faucet	<1.0	Pass	Testing Complete
M31198	1038C	Kitchen		Ice Maker	<1.0	Pass	Testing Complete
M31200	1200	Classroom		Faucet	<1.0	Pass	Testing Complete
M31207		Hallway	Across from RM 1033 Panther Paw and Kitchen	Cooler	<1.0	Pass	Testing Complete
M31208		Hallway	Across from RM 1033 Panther Paw and Kitchen	Cooler	<1.0	Pass	Testing Complete
M31213	1030	Child Development		Faucet	<1.0	Pass	Testing Complete
M31214	1030	Child Development		Faucet	<1.0	Pass	Testing Complete
M31215	1030	Child Development		Cooler	<1.0	Pass	Testing Complete
M31218	1000N	Work Room Admin	Inside Admin	Faucet	<1.0	Pass	Testing Complete
M31223	1017	Health Room		Faucet	<1.0	Pass	Testing Complete
M31226		Hallway	Outside of Auditorium, Next to 1021 PTA Storage	Cooler	<1.0	Pass	Testing Complete
M31226		Hallway	Outside of Auditorium, Next to 1021 PTA Storage	Cooler	<1.0	Pass	Testing Complete
M31227		Hallway	Outside of Auditorium, Next to 1021 PTA Storage	Cooler	<1.0	Pass	Testing Complete
M31237		Hallway	Outside of Auditorium, Next to 1017 ISI	Cooler	<1.0	Pass	Testing Complete
M31238		Hallway	Outside of Auditorium, Next to 1017 ISI	Cooler	<1.0	Pass	Testing Complete
M31247		Hallway		Cooler	<1.0	Pass	Testing Complete
M31248		Hallway	Outside of Gym Near Concession	Cooler	<1.0	Pass	Testing Complete
M31249		Hallway	Across from Rm 1001 AD Office	Cooler	<1.0	Pass	Testing Complete
M31250		Hallway	Across from Rm 1001 AD Office	Cooler	<1.0	Pass	Testing Complete
M31255	1605	Locker Room - Women's		Cooler	<1.0	Pass	Testing Complete
M31255	1605	Locker Room - Women's		Cooler	<1.0	Pass	Testing Complete
M31256	1605	Locker Room - Women's		Cooler	<1.0	Pass	Testing Complete
M31259	1609	Men's Dressing		Cooler	<1.0	Pass	Testing Complete
M31260	1609	Men's Dressing		Cooler	<1.0	Pass	Testing Complete
M31265		Hallway	Next to MDR 1609	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M31266		Hallway	Next to MDR 1609	Cooler	<1.0	Pass	Testing Complete
M31267	1102	Trainer		Ice Maker	<1.0	Pass	Testing Complete
M31268	1102	Trainer		Faucet	<1.0	Pass	Testing Complete
M31269		Hallway		Cooler	<1.0	Pass	Testing Complete
M31270		Hallway	Next to RM 1003, Weight RM	Cooler	<1.0	Pass	Testing Complete
M31271	1112	Men's Dressing		Faucet	6.0	Pass	Testing Complete
M31273	1114	Dressing Room - Women's	Dressing	Faucet	1.1	Pass	Testing Complete
M31274	1116	Women's Dressing		Faucet	3.2	Pass	Testing Complete
M31276	1115	Band		Faucet	<1.0	Pass	Testing Complete
M31277	1117	Choral		Faucet	<1.0	Pass	Testing Complete
M31278	1400A	Work Room Counselor	Inside RM 1400, Counselor	Faucet	<1.0	Pass	Testing Complete
M31280		Hallway	Across from CR 1123	Cooler	<1.0	Pass	Testing Complete
M31281		Hallway	Across from CR 1123	Cooler	<1.0	Pass	Testing Complete
M31294		Hallway	Across from CR 1141	Cooler	<1.0	Pass	Testing Complete
M31295		Hallway	Across from CR 1141	Cooler	<1.0	Pass	Testing Complete
M31301	1142	Home Ec.		Faucet	<1.0	Pass	Testing Complete
M31302	1142	Home Ec.		Faucet	1.3	Pass	Testing Complete
M31303	1142	Home Ec.		Faucet	<1.0	Pass	Testing Complete
M31304	1142	Home Ec.		Faucet	<1.0	Pass	Testing Complete
M31305	1142	Home Ec.		Faucet	<1.0	Pass	Testing Complete
M31306	1142	Home Ec.		Faucet	<1.0	Pass	Testing Complete
M31307	1142	Home Ec.		Faucet	1.6	Pass	Testing Complete
M31308	1319	Classroom Medical Science		Faucet	1.6	Pass	Testing Complete
M31309	1319	Medical Science		Faucet	<1.0	Pass	Testing Complete
M31310	1326	Work Room	Next to 1324	Faucet	<1.0	Pass	Testing Complete
M31313	2314	Break Room		Faucet	<1.0	Pass	Testing Complete
M31316	2324	Work Room		Faucet	<1.0	Pass	Testing Complete
M31321		Hallway	Across from CR 2122	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M31322		Hallway	Across from CR 2122	Cooler	<1.0	Pass	Testing Complete
M31327	2214	ITSS		Faucet	13.4	Pass	Testing Complete
M31328	2201	Work Room		Faucet	<1.0	Pass	Testing Complete
M31333		Hallway	Next to CR 2018	Cooler	<1.0	Pass	Testing Complete
M31334		Hallway	Next to CR 2018	Cooler	<1.0	Pass	Testing Complete
M31339	2011	Work Room		Faucet	1.4	Pass	Testing Complete
M31340	2010B	Work Room	Inside IMC	Faucet	<1.0	Pass	Testing Complete
M31345		Hallway	Near CR 2106 in Draper Hall	Cooler	1.2	Pass	Testing Complete
M31346		Hallway	Near CR 2106 in Draper Hall	Cooler	1.6	Pass	Testing Complete
M31364		Hallway	Across from CR 3107	Cooler	<1.0	Pass	Testing Complete
M31365		Hallway	Across from CR 3107	Cooler	<1.0	Pass	Testing Complete
M31370	3221	Work Room		Faucet	<1.0	Pass	Testing Complete
M31371	3217	Work Room		Faucet	1.0	Pass	Testing Complete
M31372	3205	Work Room		Faucet	<1.0	Pass	Testing Complete
M31377		Hallway	Across from RM 3015	Cooler	<1.0	Pass	Testing Complete
M31378		Hallway	Across From RM 3015	Cooler	<1.0	Pass	Testing Complete
M31384	3006	Break Room		Faucet	<1.0	Pass	Testing Complete
M31386	3307	Office		Faucet	2.0	Pass	Testing Complete
M31484	1227	Classroom		Faucet	8.6	Pass	Testing Complete

*ppb = parts per billion