



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary:

Wilson Wims Elementary School

12520 Blue Sky Drive,
Clarksburg, MD 20871

Date of Test Report:	05/11/2018
Round of Testing:	Initial
# of Outlets Tested:	116
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	2.50

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: Wilson Wims Elementary School
12520 Blue Sky Drive,
Clarksburg, MD 20871

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 Wilson Wims Elementary School, located at 12520 Blue Sky Drive, Clarksburg, MD 20871.

Scope of Services:

PSI conducted lead in water testing at Wilson Wims Elementary 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 4/17/18 and 4/18/18 to collect samples from 116 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 4/18/18 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 Wilson Wims Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW07489	186	Music		Faucet	<1.0	Pass	Testing Complete
LW07490	186	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07491	188	Music		Faucet	<1.0	Pass	Testing Complete
M32208	111	Material Prep	Media Center	Faucet	<1.0	Pass	Testing Complete
M32215	212	Classroom		Faucet	<1.0	Pass	Testing Complete
M32216	212	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32217	213	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32218	213	Classroom		Faucet	<1.0	Pass	Testing Complete
M32219	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32220	216	Classroom		Faucet	<1.0	Pass	Testing Complete
M32221	217	Classroom		Faucet	<1.0	Pass	Testing Complete
M32222	217	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32223	219	ESOL		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32224	219	ESOL		Faucet	<1.0	Pass	Testing Complete
M32225		Hallway	Next to CR 219 Across from CR 218	Cooler	<1.0	Pass	Testing Complete
M32226		Hallway	Next to CR 219 Across from CR 218	Cooler	<1.0	Pass	Testing Complete
M32227	218	Classroom		Faucet	<1.0	Pass	Testing Complete
M32228	218	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32229	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32230	222	Classroom		Faucet	<1.0	Pass	Testing Complete
M32231	224	Classroom		Faucet	<1.0	Pass	Testing Complete
M32232	224	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M32233	228	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32234	228	Classroom		Faucet	<1.0	Pass	Testing Complete
M32235	232	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32236	232	Classroom		Faucet	<1.0	Pass	Testing Complete
M32237	234	Classroom		Faucet	<1.0	Pass	Testing Complete
M32238	234	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32239	238	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32240	238	Classroom		Faucet	<1.0	Pass	Testing Complete
M32241	240	Classroom		Faucet	<1.0	Pass	Testing Complete
M32242	240	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32243	244	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32244	244	Classroom		Faucet	<1.0	Pass	Testing Complete
M32245		Classroom	Next to CR 229 Across from CR 244	Cooler	<1.0	Pass	Testing Complete
M32246		Hallway	Next to CR 229 Across from CR 244	Cooler	<1.0	Pass	Testing Complete
M32247	229	Classroom		Faucet	<1.0	Pass	Testing Complete
M32248	229	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32249	246	Classroom		Faucet	<1.0	Pass	Testing Complete
M32250	246	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32251	231	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32252	231	Classroom		Faucet	<1.0	Pass	Testing Complete
M32253	250	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32254	250	Classroom		Faucet	<1.0	Pass	Testing Complete
M32255	235	Classroom		Faucet	<1.0	Pass	Testing Complete
M32256	235	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32257	252	Classroom		Faucet	<1.0	Pass	Testing Complete
M32258	252	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32266	126	Pep Prep Area		Faucet	<1.0	Pass	Testing Complete
M32267	128	Pep Speech of Language		Faucet	2.5	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M32268	128	Pep Speech of Language		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32275	134	Classroom		Faucet	1.7	Pass	Testing Complete
M32277	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32279	134	Classroom		Faucet	<1.0	Pass	Testing Complete
M32280	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32281	121	Classroom		Faucet	<1.0	Pass	Testing Complete
M32282	121	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32284	125	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32285	125	Classroom		Faucet	<1.0	Pass	Testing Complete
M32286	125	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32287	125	Classroom		Faucet	<1.0	Pass	Testing Complete
M32289	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32290	140	Classroom		Faucet	<1.0	Pass	Testing Complete
M32291	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32292	140	Classroom		Faucet	<1.0	Pass	Testing Complete
M32294		Hallway	Across from CR 140	Cooler	<1.0	Pass	Testing Complete
M32295		Hallway	Across from CR 140	Cooler	<1.0	Pass	Testing Complete
M32296	144	Classroom		Faucet	<1.0	Pass	Testing Complete
M32297	144	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32300	150	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32301	150	Classroom		Faucet	<1.0	Pass	Testing Complete
M32303	154	Classroom		Faucet	<1.0	Pass	Testing Complete
M32304	154	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32306	158	Classroom		Faucet	<1.0	Pass	Testing Complete
M32307	158	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32309	160	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32310	160	Classroom		Faucet	<1.0	Pass	Testing Complete
M32312	164	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M32313	164	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32315	133	Therapy Support		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32316	133	Therapy Support		Faucet	<1.0	Pass	Testing Complete
M32317		Hallway	Next to CR 164	Cooler	<1.0	Pass	Testing Complete
M32318		Hallway	Next to CR 164	Cooler	<1.0	Pass	Testing Complete
M32319	168	Classroom		Faucet	<1.0	Pass	Testing Complete
M32320	168	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32321	172	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32322	172	Classroom		Faucet	<1.0	Pass	Testing Complete
M32323	174	Classroom		Faucet	<1.0	Pass	Testing Complete
M32324	174	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32325	135	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32326	135	Classroom		Faucet	<1.0	Pass	Testing Complete
M32327	178	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32328	178	Classroom		Faucet	<1.0	Pass	Testing Complete
M32329	139	Classroom		Faucet	<1.0	Pass	Testing Complete
M32330	139	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32337	180	Classroom		Faucet	<1.0	Pass	Testing Complete
M32338	180	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32340	151	Language Office		Faucet	1.9	Pass	Testing Complete
M32341	151	Language Office		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32343	100C	Work Room Admin		Faucet	<1.0	Pass	Testing Complete
M32344	102	Health		Faucet	<1.0	Pass	Testing Complete
M32347	106	Break Room		Faucet	<1.0	Pass	Testing Complete
M32351		Kitchen		Faucet	<1.0	Pass	Testing Complete
M32352		Kitchen		Faucet	<1.0	Pass	Testing Complete
M32353		Kitchen		Faucet	<1.0	Pass	Testing Complete
M32355		Hallway	Next to IMC	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M32356		Hallway	Next to IMC	Cooler	<1.0	Pass	Testing Complete
M32365	188	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32367	190	Dual Purpose Room		Faucet	<1.0	Pass	Testing Complete
M32368	190	Dual Purpose Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32369	190	Dual Purpose Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32370	190	Dual Purpose Room		Faucet	<1.0	Pass	Testing Complete
M32372	192	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
M32373	192	Art		Faucet	<1.0	Pass	Testing Complete
M32375		Hallway	Outside of Gym Across from CR 190	Cooler	<1.0	Pass	Testing Complete
M32376		Hallway	Outside of Gym Across from CR 190	Cooler	<1.0	Pass	Testing Complete

*ppb = parts per billion