



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary:
Whetstone Elementary School
19201 Thomas Farm Road
Montgomery Village, MD 20886

Date of Test Report:	03/20/2018
Round of Testing:	Initial
# of Outlets Tested:	95
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	18.1

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: Whetstone Elementary School
19201 Thomas Farm Road
Montgomery Village, MD 20886

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 Whetstone Elementary School, located at 19201 Thomas Farm Road located in Montgomery Village, MD 20886.

Scope of Services:

PSI conducted lead in water testing at Whetstone 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 02/21/18 and 02/22/18 to collect samples from 95 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 02/22/18 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 Whetstone Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW01092		Health Room		Faucet	9.6	Pass	Testing Complete
LW01097		Copy Room Office		Faucet	1.8	Pass	Testing Complete
LW01098		Hallway	Next To Girls Restroom, Across From Health Room	Cooler	<1.0	Pass	Testing Complete
LW01099	22	Classroom		Faucet	6	Pass	Testing Complete
LW01100	22	Classroom		Bubbler - Indoor	4.1	Pass	Testing Complete
LW01101	21	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01102	20	Classroom		Faucet	2.6	Pass	Testing Complete
LW01103	20	Classroom		Bubbler - Indoor	18.1	Pass	Testing Complete
LW01104	1	Classroom		Faucet	1.3	Pass	Testing Complete
LW01105	1	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01106	2	Classroom		Faucet	1.3	Pass	Testing Complete
LW01107	2	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01108	K2	Classroom		Faucet	3.1	Pass	Testing Complete
LW01109	K2	Classroom		Faucet	3.9	Pass	Testing Complete
LW01110	K2	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01111	27	Classroom		Faucet	1.9	Pass	Testing Complete
LW01112		Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01113	4	Classroom		Faucet	1.9	Pass	Testing Complete
LW01114	4	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW01115		Hallway		Cooler	<1.0	Pass	Testing Complete
LW01116	D5	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01117	D5	Classroom		Bubbler - Indoor	1.6	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW01118	D4	Classroom		Faucet	2.4	Pass	Testing Complete
LW01119	K1	Classroom		Faucet	2.2	Pass	Testing Complete
LW01120	K1	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01121	K1	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01122	34	Classroom		Faucet	1.1	Pass	Testing Complete
LW01123	34	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01124		Hallway	Next To Girls Restroom, Across From CR 5	Cooler	<1.0	Pass	Testing Complete
LW01125	5	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01126	5	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01127	D1	Classroom		Faucet	1.9	Pass	Testing Complete
LW01128	D1	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01129	D2	Classroom		Faucet	1.4	Pass	Testing Complete
LW01130	D2	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01131	7	Classroom		Faucet	3	Pass	Testing Complete
LW01132	D4	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01133	8	Classroom		Faucet	2	Pass	Testing Complete
LW01134	8	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW01135	GYM	Gymnasium		Cooler	<1.0	Pass	Testing Complete
LW01136		Break Room		Faucet	1.2	Pass	Testing Complete
LW01137		Kitchen		Faucet	4.1	Pass	Testing Complete
LW01138		Kitchen		Faucet	1.3	Pass	Testing Complete
LW01139		Kitchen		Faucet	1.4	Pass	Testing Complete
LW01140	D8	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01141	D4	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01142	D9	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01143	D9	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01144	14	Classroom		Faucet	4	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW01145	7	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
LW01146	D7	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01147	D7	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01148	D6	Classroom		Faucet	1.6	Pass	Testing Complete
LW01149	D6	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01150		Hallway	Across From CR 13	Cooler	<1.0	Pass	Testing Complete
LW01151	13	Classroom		Faucet	5.9	Pass	Testing Complete
LW01152	13	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW01153	12	Classroom		Faucet	2.8	Pass	Testing Complete
LW01154	12	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01155	17	Art		Faucet	1.7	Pass	Testing Complete
LW01156	17	Art		Bubbler - Indoor	1.1	Pass	Testing Complete
LW01157	18	Classroom		Faucet	4.3	Pass	Testing Complete
LW01158	14	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01159	15	Classroom		Faucet	1.3	Pass	Testing Complete
LW01160	15	Classroom		Bubbler - Indoor	2.8	Pass	Testing Complete
LW01161	16	Classroom		Faucet	2.1	Pass	Testing Complete
LW01162	16	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01163	10	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01164	10	Classroom		Bubbler - Indoor	1.7	Pass	Testing Complete
LW01165	9	Classroom		Faucet	1.8	Pass	Testing Complete
LW01166	9	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01171	18	Classroom		Bubbler - Indoor	1.8	Pass	Testing Complete
M00405		Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M50589		Hallway	Across from CR 27	Cooler	<1.0	Pass	Testing Complete
M50590		Hallway	Across from CR 27	Cooler	<1.0	Pass	Testing Complete
M50598	31	Classroom		Faucet	<1.0	Pass	Testing Complete
M50599	31	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
M50601	33	Classroom		Faucet	1	Pass	Testing Complete
M50602	33	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50604	38	Classroom		Faucet	<1.0	Pass	Testing Complete
M50605	38	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50607	40	Classroom		Faucet	<1.0	Pass	Testing Complete
M50608	40	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50610		Hallway	Across from CR 41	Cooler	<1.0	Pass	Testing Complete
M50611		Hallway	Across from CR 41	Cooler	<1.0	Pass	Testing Complete
M50613	49	Classroom		Faucet	<1.0	Pass	Testing Complete
M50614	49	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50615	54	Classroom		Faucet	<1.0	Pass	Testing Complete
M50616	54	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50617	56	Classroom		Faucet	<1.0	Pass	Testing Complete
M50618	56	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50619	53	Classroom		Faucet	1.6	Pass	Testing Complete
M50620	53	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50625	60	Classroom		Faucet	<1.0	Pass	Testing Complete
M50626	60	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

*ppb = parts per billion