



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary:
Richard Montgomery High School
250 Richard Montgomery Drive
Rockville, MD 20852

Date of Test Report:	6/1/2018
Round of Testing:	Initial
# of Outlets Tested:	80
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	11.0

Project Status

Initial testing complete: All results less than 20 ppb.



June 1, 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: Richard Montgomery High School
250 Richard Montgomery Drive
Rockville, MD 20852

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 Richard Montgomery High School, located at 250 Richard Montgomery Drive, Rockville, MD 20852.

Scope of Services:

PSI conducted lead in water testing at Richard Montgomery 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 4/26/18 and 4/27/18 to collect samples from 80 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 4/27/18 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
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 Richard Montgomery High School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
F24410	147	Kitchen		Faucet	1.5	Pass	Testing Complete
F24411	147	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW01516		Hallway	Across From 326	Cooler	<1.0	Pass	Testing Complete
LW01517		Hallway	Across From 326	Cooler	<1.0	Pass	Testing Complete
LW01518		Hallway	Across From 222	Cooler	<1.0	Pass	Testing Complete
LW01519		Hallway	Across From 222	Cooler	<1.0	Pass	Testing Complete
LW01520		Hallway	Left Of 31	Cooler	<1.0	Pass	Testing Complete
LW01521		Hallway	Left Of 31	Cooler	<1.0	Pass	Testing Complete
LW02411	141C	Work Room Counselor		Faucet	1.0	Pass	Testing Complete
LW02413		Kitchen		Instant Hot Water	<1.0	Pass	Testing Complete
LW02414	147D	Kitchen		Instant Hot Water	<1.0	Pass	Testing Complete
LW02416	147D	Kitchen		Faucet	6.4	Pass	Testing Complete
LW02417	147	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02418	147D	Kitchen Cafeteria		Ice Maker	<1.0	Pass	Testing Complete
LW06786		Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
LW06787		Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
LW06788		Hallway	Outside Of 102 Girls Restroom	Cooler	<1.0	Pass	Testing Complete
LW06789		Hallway	Left Of Room 128	Cooler	<1.0	Pass	Testing Complete
LW06790		Hallway	Left Of Room 128	Cooler	<1.0	Pass	Testing Complete
LW09388		Hallway	Across From 22	Cooler	<1.0	Pass	Testing Complete
LW09389		Hallway	Across From 6	Cooler	<1.0	Pass	Testing Complete
LW12155	147	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW12156		Hallway	Right Of 352	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW12157		Hallway	Right Of 352	Cooler	<1.0	Pass	Testing Complete
LW12158	336	Computer Lab		Faucet	1.1	Pass	Testing Complete
LW12159		Hallway	Right Of 255	Cooler	<1.0	Pass	Testing Complete
LW12160		Hallway	Right Of 255	Cooler	<1.0	Pass	Testing Complete
LW12161	33A	Classroom		Faucet	<1.0	Pass	Testing Complete
LW12162	16	Training Room		Ice Maker	<1.0	Pass	Testing Complete
LW12163		Concession - Stadium		Faucet	5.8	Pass	Testing Complete
LW12164		Concession - Stadium		Faucet	2.5	Pass	Testing Complete
LW12165		Concession - Stadium		Faucet	2.8	Pass	Testing Complete
M07836		Hallway	Across from CR 352	Cooler	<1.0	Pass	Testing Complete
M07837		Hallway	Across from CR 352	Cooler	<1.0	Pass	Testing Complete
M07844	356	Work Room		Faucet	<1.0	Pass	Testing Complete
M07879	228	Office		Faucet	<1.0	Pass	Testing Complete
M07883	154	Office		Faucet	<1.0	Pass	Testing Complete
M07884	129B	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M07891	147	Kitchen		Faucet	<1.0	Pass	Testing Complete
M07892	147D	Kitchen		Faucet	1.5	Pass	Testing Complete
M07894	147D	Kitchen		Faucet	2.3	Pass	Testing Complete
M07895	147D	Kitchen		Faucet	<1.0	Pass	Testing Complete
M07900	100B	Work Room	Administration	Faucet	<1.0	Pass	Testing Complete
M07906	16	Training Room		Faucet	<1.0	Pass	Testing Complete
M07911		Hallway	Across from Rm 6	Cooler	<1.0	Pass	Testing Complete
M07913		Hallway	Across from Rm 22	Cooler	<1.0	Pass	Testing Complete
M07915		Hallway	Across from Rm 109	Cooler	<1.0	Pass	Testing Complete
M07918	110A	Dressing Costume Room	Inside 110	Faucet	<1.0	Pass	Testing Complete
M07920	110C	Dressing Costume Room	Inside 110	Faucet	<1.0	Pass	Testing Complete
M07922	110E	Dressing Costume Room	Inside 110	Faucet	<1.0	Pass	Testing Complete
M07923	108	Music		Faucet	1.4	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M07924	108	Music		Faucet	<1.0	Pass	Testing Complete
M07925	108A	Office Music		Faucet	<1.0	Pass	Testing Complete
M07926	107A	Office Music		Faucet	<1.0	Pass	Testing Complete
M07935		Hallway	Next to 102 GBR	Cooler	<1.0	Pass	Testing Complete
M07936		Hallway	Next to 102 GBR	Cooler	<1.0	Pass	Testing Complete
M07937	302	Work Room		Faucet	1.2	Pass	Testing Complete
M07952	329	Office Math		Faucet	<1.0	Pass	Testing Complete
M07955		Hallway	Across from Rm 222	Cooler	<1.0	Pass	Testing Complete
M07956		Hallway	Across from Rm 222	Cooler	<1.0	Pass	Testing Complete
M07968		Hallway	Around Corner from Rm 258	Cooler	<1.0	Pass	Testing Complete
M07969		Hallway	Around Corner from Rm 258	Cooler	<1.0	Pass	Testing Complete
M07970	262	ESOL Office		Faucet	<1.0	Pass	Testing Complete
M07973	165	Classroom		Faucet	10.1	Pass	Testing Complete
M07974		Hallway	Next to Rm 169 & Snack Machines	Cooler	<1.0	Pass	Testing Complete
M07975		Hallway	Next to Rm 169 & Snack Machines	Cooler	<1.0	Pass	Testing Complete
M07980		Hallway	Across from 142 Career Center	Cooler	<1.0	Pass	Testing Complete
M07981		Hallway	Across from 142 Career Center	Cooler	<1.0	Pass	Testing Complete
M07996	31	Work Room		Faucet	3.0	Pass	Testing Complete
M07997	33A	Classroom		Faucet	11.0	Pass	Testing Complete
M08001	33A	Classroom		Cooler	<1.0	Pass	Testing Complete
M08010	120	Concession		Faucet	1.7	Pass	Testing Complete
M08011	116	Health		Faucet	<1.0	Pass	Testing Complete
M08021		Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
M08022		Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
M08023		Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
M08024		Hallway	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
M08025	123	Work Room		Faucet	1.9	Pass	Testing Complete
M08048	256	Work Room		Faucet	1.3	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M08051	243	Conference		Faucet	<1.0	Pass	Testing Complete

*ppb = parts per billion