



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary: Rosemont Elementary School

16400 Alden Avenue
Gaithersburg, MD 20877

Date of Test Report:	03/12/2018
Round of Testing:	Initial
# of Outlets Tested:	89
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	10.9

Project Status

Initial testing complete: All results less than 20 ppb.



March 12, 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: Rosemont Elementary School
16400 Alden Avenue
Gaithersburg, MD 20877

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 Rosemont Elementary School, located at 16400 Alden Avenue, Gaithersburg, MD 20877.

Scope of Services:

PSI conducted lead in water testing at Rosemont 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 02/01/18 and 02/02/18 to collect samples from 89 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 02/02/18 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
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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 Rosemont Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00208	228	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00209	228	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00210	227	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00211	227	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00212		Hallway	Across From 225A Storage	Cooler	<1.0	Pass	Testing Complete
LW00213		Hallway	Across From 225A Storage	Cooler	<1.0	Pass	Testing Complete
LW00214	224	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00215	224	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00216	223	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00217	223	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00218	221	Classroom		Faucet	2.2	Pass	Testing Complete
LW00219	221	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00220	222	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00221	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00222	220	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00223	220	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00224		Hallway	Close To Elevator 2nd Floor	Cooler	<1.0	Pass	Testing Complete
LW00225	203	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00226	203	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00227	204	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00228	204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00229	206	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00230	206	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00231	205	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00232	205	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00233	207	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00234	207	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00235	208	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00236	208	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00237	209	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00238	209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00239	210	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00240	210	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00241	118	Special Ed	CAPP	Faucet	<1.0	Pass	Testing Complete
LW00242	118	Special Ed	CAPP	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00243	117	Kindergarten	Pre-k	Faucet	<1.0	Pass	Testing Complete
LW00244	117	Kindergarten	Pre-k	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00245	116	Special Ed		Faucet	<1.0	Pass	Testing Complete
LW00246	116	Special Ed	CAPP	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00247	115	Special Ed	CAPP	Faucet	<1.0	Pass	Testing Complete
LW00248	115	Special Ed	CAPP	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00249	114	Special Ed	CAPP	Faucet	<1.0	Pass	Testing Complete
LW00250	114	Special Ed	CAPP	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00251	113	Kindergarten		Faucet	1.6	Pass	Testing Complete
LW00252	113	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00253	112	Classroom	5th Grade	Faucet	<1.0	Pass	Testing Complete
LW00254	112	Classroom	5th Grade	Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00255	111	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW00256	111	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00257	109	Kindergarten		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00258	109	Kindergarten		Bubbler - Indoor	10.9	Pass	Testing Complete
LW00259	104	ESOL		Faucet	<1.0	Pass	Testing Complete
LW00260	104	ESOL		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00261	107	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW00262	107	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00263		Health Room	Next To Main Office	Faucet	1.6	Pass	Testing Complete
LW00264	105	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW00265	105	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00266		Hallway	Right Of Building Service Office	Cooler	<1.0	Pass	Testing Complete
LW00267		Hallway	Right Of Building Service Office	Cooler	<1.0	Pass	Testing Complete
LW00268		Hallway	Right Of Room 126	Cooler	<1.0	Pass	Testing Complete
LW00269		Hallway	Right Of Room 126	Cooler	<1.0	Pass	Testing Complete
LW00270	128	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00271	128	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00272	127	Classroom		Faucet	1	Pass	Testing Complete
LW00273	127	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00274	123	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00275	123	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00276	124	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00277	124	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00278	122	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00279	122	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00280	121	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00281	121	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00282	120	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00283	120	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00284		Hallway	Outside Of Gym 130	Cooler	<1.0	Pass	Testing Complete
LW00285		Hallway	Outside Of Gym 130	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M02819		Break Room	2nd Floor	Faucet	<1.0	Pass	Testing Complete
M02821	202	Staff Development		Faucet	<1.0	Pass	Testing Complete
M02823		Hallway	Close To Elevator 2nd Floor	Cooler	<1.0	Pass	Testing Complete
M02839		Kitchen Cafeteria		Faucet	2.7	Pass	Testing Complete
M02840		Kitchen All Purpose Room		Faucet	<1.0	Pass	Testing Complete
M02841		Kitchen All Purpose Room		Faucet	<1.0	Pass	Testing Complete
M02842		Kitchen All Purpose Room		Faucet	<1.0	Pass	Testing Complete
M02855		Work Room Admin		Faucet	1.1	Pass	Testing Complete
M02873		Hallway	Across From Media Storage	Cooler	<1.0	Pass	Testing Complete
M02874		Hallway	Across From Media Storage	Cooler	<1.0	Pass	Testing Complete
M05019	110B	Work Room Media Center		Faucet	2.8	Pass	Testing Complete

*ppb = parts per billion