



Montgomery County Public Schools Lead in Drinking Water Testing 2018

April 30, 2018

Executive Summary:

William Page Elementary School

13400 Tamarack Road

Silver Spring, Maryland 20904

Round of Testing:	Initial
# of Outlets Tested:	62
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	8.5

Project Status:

Initial testing complete: All results less than 20 ppb.



April 30, 2018

Mr. Brian Mullikin, MS
Environmental Team Leader
Montgomery County Public Schools
Division of Maintenance
Gaithersburg, Maryland 20879

Re: Drinking Water Testing

KCI Job #1214634191

Location: William Page Elementary School

13400 Tamarack Road
Silver Spring, Maryland 20904

Dear Mr. Mullikin:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of Initial lead in water testing at William Page Elementary School, located at 13400 Tamarack Road in Silver Spring, Maryland 20904.

SCOPE OF SERVICES

KCI conducted lead in water testing at William Page 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.

KCI visited the site on 4/4/2018 and 4/5/2018 to collect samples from 62 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 are no results of the lead in water analysis at or above 20 parts per billion (ppb). The lead in water sample results for sample collection date 4/5/2018 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,
KCI Technologies, Inc.



Kamau McAbee
MDE Certified Water Sampler #8281KM

Attachment:

A- Lead in Water Test Summary Table

ATTACHMENT A

Lead in Water Test Summary Table

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Lead in Water Test Summary Table

Contractor: KCI Technologies, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for William Page Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04438	A106	Classroom		Faucet	2.1	Pass	Testing Complete
LW04439	A109	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04440	A109	Classroom		Faucet	1.6	Pass	Testing Complete
LW04441	A110	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04442	A110	Classroom		Faucet	1.3	Pass	Testing Complete
LW04443	A111	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW04444	A111	Classroom		Faucet	4.4	Pass	Testing Complete
LW04445	G101	Reading		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04451	C-104	Classroom		Faucet	2.9	Pass	Testing Complete
LW04452	C-104	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW04453	C104	Hallway Classroom	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04454		Hallway Media Center		Cooler	<1.0	Pass	Testing Complete
LW04455	G101	Reading		Faucet	<1.0	Pass	Testing Complete
LW04456	A114	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04458	C-103	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW04459	C-103	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04460	C-102	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04461	C-102	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04462	C-101	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04463	C-101	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04464	A106	Classroom		Bubbler - Indoor	8.1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04465	A107	Classroom		Faucet	1.3	Pass	Testing Complete
LW04466	A107	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04467	A108	Classroom		Faucet	1.6	Pass	Testing Complete
LW04468	A108	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04469	A116	Classroom		Faucet	2.4	Pass	Testing Complete
LW04470	A116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04471	A117	Day Care		Faucet	<1.0	Pass	Testing Complete
LW04472	A117	Day Care		Bubbler - Indoor	1.2	Pass	Testing Complete
LW04473		Hallway		Cooler	<1.0	Pass	Testing Complete
LW04474		Hallway		Cooler	<1.0	Pass	Testing Complete
LW04475	H209	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04476	H209	Classroom		Faucet	1.4	Pass	Testing Complete
LW04477	H209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04478	H208	Classroom		Faucet	1.7	Pass	Testing Complete
LW04479	H208	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW04480		Team Room		Faucet	<1.0	Pass	Testing Complete
LW04481	H207	Classroom		Faucet	3.3	Pass	Testing Complete
LW04482	H207	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04483	H203	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04484	H204	Classroom		Faucet	1.9	Pass	Testing Complete
LW04485	H204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05187		Health Room		Faucet	<1.0	Pass	Testing Complete
LW05188		Hallway Health Room	Across From	Cooler	<1.0	Pass	Testing Complete
LW05189		Lobby Gymnasium	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW05190		Lobby Cafeteria	Outside Of	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW05191		Hallway Media Center	Outside Of	Cooler	<1.0	Pass	Testing Complete
M35455	H206	Classroom		Faucet	1.5	Pass	Testing Complete
M35457	H205	Classroom		Faucet	<1.0	Pass	Testing Complete
M35458	H205	Classroom		Bubbler - Indoor	3.2	Pass	Testing Complete
M35459	H201	Classroom		Faucet	1.5	Pass	Testing Complete
M35460	H201	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M35461	H202	Classroom		Faucet	<1.0	Pass	Testing Complete
M35462	H202	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
M35463	H203	Classroom		Faucet	<1.0	Pass	Testing Complete
M35467	H204	Hallway	Outside Cr H204	Cooler	<1.0	Pass	Testing Complete
M35499	A114	Resource Center		Faucet	2.7	Pass	Testing Complete
M35500	A114	Resource Center		Bubbler - Indoor	<1.0	Pass	Testing Complete
M36199		Kitchen		Faucet	8.5	Pass	Testing Complete
M36200		Kitchen		Faucet	4.3	Pass	Testing Complete
M36201		Kitchen		Faucet	<1.0	Pass	Testing Complete
M36202		Kitchen		Faucet	1.5	Pass	Testing Complete

*PPB = parts per billion