



Montgomery County Public Schools Lead in Drinking Water Testing 2018

April 30, 2018

Executive Summary:

Westover Elementary School

401 Hawkesbury Lane
Silver Spring, Maryland 20904

Round of Testing:	Initial
# of Outlets Tested:	45
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	19.8

Project Status:

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: Westover Elementary School

401 Hawkesbury Lane
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 Westover Elementary School, located at 401 Hawkesbury Lane in Silver Spring, Maryland 20904.

SCOPE OF SERVICES

KCI conducted lead in water testing at Westover 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 4/3/2018 and 4/4/2018 to collect samples from 45 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 4/4/2018 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 Westover Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW05831	128	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW05832	102	Health Room Administration		Faucet	<1.0	Pass	Testing Complete
LW05833	110	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW05834	110	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW05835	106	Classroom		Faucet	1.2	Pass	Testing Complete
LW05836	106	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05837	217	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05838	217	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05839	216	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05840	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05841	001	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05842	001	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05843	002	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05844	002	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05845	004	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05846	004	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05847	012	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05848	012	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05849	010	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05850	010	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M40245	021	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M40246	021	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M40250	017	Classroom		Faucet	<1.0	Pass	Testing Complete
M40251	017	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
M40261	012	Hallway	Outside Of	Bubbler - Indoor	<1.0	Pass	Testing Complete
M40269	209	Classroom		Faucet	<1.0	Pass	Testing Complete
M40270	209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M40271	211	Classroom		Faucet	<1.0	Pass	Testing Complete
M40272	211	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M40279	222	Classroom		Faucet	<1.0	Pass	Testing Complete
M40280	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M40285	205	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M40286	217	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M40287	205	Classroom		Faucet	<1.0	Pass	Testing Complete
M40289	201	Break Room		Faucet	<1.0	Pass	Testing Complete
M40296	127	Kitchen		Faucet	1.3	Pass	Testing Complete
M40297	127	Kitchen		Faucet	2.0	Pass	Testing Complete
M40298	127	Kitchen		Faucet	1.4	Pass	Testing Complete
M40299	128	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M40301	113	Classroom		Faucet	<1.0	Pass	Testing Complete
M40311	103	Work Room		Faucet	<1.0	Pass	Testing Complete
M40316	108	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M40317	107	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M40318	108	Classroom		Faucet	<1.0	Pass	Testing Complete
M40319	107	Classroom		Faucet	19.8	Pass	Testing Complete

*PPB = parts per billion