



Montgomery County Public Schools Lead in Drinking Water Testing 2018

June 13, 2018

Executive Summary:

Kingsview Middle School

18909 Kingsview Road
Germantown, Maryland 20874

Round of Testing:	Initial
# of Outlets Tested:	44
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	2.9

Project Status:

Testing Complete: All results less than 20 ppb.



June 13, 2018

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

Re: Drinking Water Testing

KCI Job #1214634193

Location: Kingsview Middle School

18909 Kingsview Road
Germantown, Maryland 20874

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 Kingsview Middle School, located at 18909 Kingsview Road in Germantown, Maryland 20874.

SCOPE OF SERVICES

KCI conducted lead in water testing at Kingsview Middle 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 4/25/2018 and 4/26/2018 to collect samples from 44 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 4/26/2018 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 Kingsview Middle School

Barcode	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW06243	B132	Kitchen Cafeteria		Ice Maker	2.4	Pass	Testing Complete
LW06246	A102	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW06247	A109	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW06248	A109	Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW06249	A118	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW06250	A118	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW06251	D208	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW06252		Hallway	Across From E206	Cooler	<1.0	Pass	Testing Complete
M13340	B132	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M13341	B132	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M13342	B132	Kitchen Cafeteria		Faucet	2.1	Pass	Testing Complete
M13343	B132	Kitchen Cafeteria		Faucet	1.5	Pass	Testing Complete
M13344	B132	Kitchen Cafeteria		Faucet	1.8	Pass	Testing Complete
M13345	B132	Kitchen Cafeteria		Faucet	1.6	Pass	Testing Complete
M13346	B132	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M13351	B101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
M13352	B101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
M13354	B132	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M13360	B101	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M14740	E123	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
M14741	E123	Support Room		Faucet	1.0	Pass	Testing Complete
M14742		Hallway	Across From D118	Cooler	<1.0	Pass	Testing Complete
M14743		Hallway	Across From D118	Cooler	<1.0	Pass	Testing Complete

Barcode	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M14753	D115	Classroom		Cooler	<1.0	Pass	Testing Complete
M14836	B101	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M14839	C137	Health		Faucet	<1.0	Pass	Testing Complete
M14842	C145	Media Center		Cooler	<1.0	Pass	Testing Complete
M14843	C145	Media Center		Cooler	<1.0	Pass	Testing Complete
M14854	E122	Support Room		Faucet	<1.0	Pass	Testing Complete
M37950	C150	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M37963	E223	Support Room		Faucet	<1.0	Pass	Testing Complete
M41746	D110	Classroom		Faucet	2.9	Pass	Testing Complete
M41747	D110	Classroom	Inside CR D110	Cooler	<1.0	Pass	Testing Complete
M41748	D131	Classroom		Faucet	2.6	Pass	Testing Complete
M41749	D131	Classroom		Faucet	1.8	Pass	Testing Complete
M41750	D131	Classroom		Faucet	<1.0	Pass	Testing Complete
M41751	C121	Break Room		Faucet	<1.0	Pass	Testing Complete
M41755	C133	Work Room		Faucet	<1.0	Pass	Testing Complete
M41756		Hallway Administration	Inside Of	Cooler	<1.0	Pass	Testing Complete
M41757		Hallway Administration	Inside Of	Cooler	<1.0	Pass	Testing Complete
M41786	E222	Team Rm		Faucet	<1.0	Pass	Testing Complete
M41794		Hallway	Across From Cr E212	Cooler	<1.0	Pass	Testing Complete
M41816	D223	Team Rm		Faucet	<1.0	Pass	Testing Complete
M41817	D224	Support Room		Faucet	<1.0	Pass	Testing Complete

*PPB = parts per billion