



Montgomery County Public Schools Lead in Drinking Water Testing 2018

May 4, 2018

Executive Summary:

White Oak Middle School

12201 New Hampshire Avenue
Silver Spring, Maryland 20904

Round of Testing:	Initial
# of Outlets Tested:	32
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	1.9

Project Status:

Testing Complete: All results less than 20 ppb.



May 4, 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: White Oak Middle School

12201 New Hampshire Avenue
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 White Oak Middle School, located at 12201 New Hampshire Avenue in Silver Spring, Maryland 20904.

SCOPE OF SERVICES

KCI conducted lead in water testing at White Oak 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 4/12/2018 and 4/13/2018 to collect samples from 32 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 4/13/2018 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 White Oak Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW06105	108	Special Ed		Faucet	<1.0	Pass	Testing Complete
LW06106	104	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06107		Hallway	Across From 120	Cooler	<1.0	Pass	Testing Complete
LW06108		Hallway	Across From 124	Cooler	<1.0	Pass	Testing Complete
LW06109	256	Classroom		Faucet	1.9	Pass	Testing Complete
LW06110	256	Classroom		Faucet	1.2	Pass	Testing Complete
LW06111		Gymnasium		Cooler	<1.0	Pass	Testing Complete
LW06112		Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
LW06113		Hallway	Across From 244	Cooler	<1.0	Pass	Testing Complete
LW06114		Hallway	Across From 244	Cooler	<1.0	Pass	Testing Complete
LW06115		Hallway	Across From 246	Cooler	<1.0	Pass	Testing Complete
LW06116	202C	Media Center		Faucet	<1.0	Pass	Testing Complete
LW06117		Hallway	Across From 214	Cooler	<1.0	Pass	Testing Complete
LW06118	219	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06119		Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW06120		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06121		Kitchen		Faucet	1.7	Pass	Testing Complete
LW06122		Kitchen		Faucet	1.1	Pass	Testing Complete
LW06123		Hallway	Next To 323	Cooler	<1.0	Pass	Testing Complete
LW06124		Hallway	Across From 310	Cooler	<1.0	Pass	Testing Complete
M37716		Hallway	Across From 226	Cooler	<1.0	Pass	Testing Complete
M37779		Boys Locker Room		Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M37797	201A	Work Room Office		Faucet	<1.0	Pass	Testing Complete
M37801	205	Health Room		Faucet	<1.0	Pass	Testing Complete
M37802		Cafeteria		Cooler	<1.0	Pass	Testing Complete
M37804		Kitchen		Ice Maker	1.2	Pass	Testing Complete
M37805		Kitchen		Faucet	<1.0	Pass	Testing Complete
M37806		Kitchen		Faucet	1.3	Pass	Testing Complete
M37807		Kitchen		Faucet	<1.0	Pass	Testing Complete
M37811		Kitchen		Faucet	<1.0	Pass	Testing Complete
M37818		Hallway	Across From 112	Cooler	<1.0	Pass	Testing Complete
M37835	312	Classroom		Faucet	<1.0	Pass	Testing Complete

*PPB = parts per billion