



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Herbert Hoover Middle School

8810 Postoak Road

Potomac, Maryland 20854

Date of Test Report:	3/27/2017
Round of Testing:	Initial
# of Outlets Tested:	36
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	1.0

Project Status:

Initial testing complete: All results less than 20 ppb.



3/27/2017

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

Re: Drinking Water Testing

KCI Job #1214634189

Location: Herbert Hoover Middle School

8810 Postoak Road
Potomac, Maryland 20854

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 Herbert Hoover Middle School, located at 8810 Postoak Road in Potomac, Maryland 20854.

SCOPE OF SERVICES

KCI conducted lead in water testing at Herbert Hoover 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 3/7/2018 and 3/8/2018 to collect samples from 36 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 3/8/2018 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 Herbert Hoover Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW05629		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW05630		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW05631		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW05632		Hallway	Across From Cr 168	Cooler	<1.0	Pass	Testing Complete
LW05633		Hallway	Across From Cr 168	Cooler	<1.0	Pass	Testing Complete
LW05634	161	Team Room		Faucet	<1.0	Pass	Testing Complete
LW05637		Hallway	Next To Rm 33	Cooler	<1.0	Pass	Testing Complete
LW05638		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
LW05639	024	Team Room		Faucet	<1.0	Pass	Testing Complete
M30909		Hallway	Across from CR 182 in Hallway behind CR 174	Cooler	<1.0	Pass	Testing Complete
M30910		Hallway	Across from CR 182 in Hallway behind CR 174	Cooler	<1.0	Pass	Testing Complete
M30913	180	Classroom Office		Faucet	<1.0	Pass	Testing Complete
M30914	180	Classroom		Faucet	<1.0	Pass	Testing Complete
M30916	154	Team Rm		Faucet	<1.0	Pass	Testing Complete
M30917		Hallway	Next to CR 145 Science Lab	Cooler	<1.0	Pass	Testing Complete
M30918		Hallway	Next to CR 145 Science Lab	Cooler	<1.0	Pass	Testing Complete
M30928		Hallway	Across from Rm 136 Staff Development	Cooler	<1.0	Pass	Testing Complete
M30929		Hallway	Across from Rm 136 Staff Development	Cooler	<1.0	Pass	Testing Complete
M30930	115	Health Room Administration		Faucet	<1.0	Pass	Testing Complete
M30934	114	Work Room Admin	inside Admin	Faucet	<1.0	Pass	Testing Complete
M30938	138B	Work Room Media Center	inside 138 IMC	Faucet	<1.0	Pass	Testing Complete
M30939		Hallway	Across from CR 194 Choral	Cooler	<1.0	Pass	Testing Complete
M30940		Hallway	Across from CR 194 Choral	Cooler	<1.0	Pass	Testing Complete
M30941	195	Inst Music		Faucet	<1.0	Pass	Testing Complete
M30945		Kitchen	Left Corner	Faucet	<1.0	Pass	Testing Complete
M30947		Kitchen	Middle	Faucet	<1.0	Pass	Testing Complete
M30949		Kitchen	Back side of Kitchen	Faucet	<1.0	Pass	Testing Complete
M30952		Kitchen Kitchen	Right side of Kitchen	Faucet	<1.0	Pass	Testing Complete
M30953		Kitchen	Right corner	Faucet	1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30955		Kitchen Kitchen		Ice Maker	<1.0	Pass	Testing Complete
M30956		Hallway	Across from Rm 188 Lounge	Cooler	<1.0	Pass	Testing Complete
M30957		Hallway	Across from Rm 188 Lounge	Cooler	<1.0	Pass	Testing Complete
M30958		Hallway	Across from Rm 188 Lounge	Cooler	<1.0	Pass	Testing Complete
M30959		Hallway	Across from Rm 188 Lounge	Cooler	<1.0	Pass	Testing Complete
M30960	188	Break Room		Faucet	<1.0	Pass	Testing Complete
M30970	199	Break Room BS Office		Faucet	<1.0	Pass	Testing Complete
M30973	219	Team Rm		Faucet	<1.0	Pass	Testing Complete
M30974	218	Classroom		Faucet	<1.0	Pass	Testing Complete
M30975		Hallway	Across from CR 207	Cooler	<1.0	Pass	Testing Complete
M30976		Hallway	Across from CR 207	Cooler	<1.0	Pass	Testing Complete
M30985	201	Team Rm		Faucet	<1.0	Pass	Testing Complete
M30986	206	Team Rm		Faucet	<1.0	Pass	Testing Complete
M30997		Hallway	Across from 007 Computer	Cooler	<1.0	Pass	Testing Complete
M30998		Hallway	Across from 007 Computer	Cooler	<1.0	Pass	Testing Complete
M31000	17	Specialty Rm		Faucet	<1.0	Pass	Testing Complete
M31001		Hallway	Next to CR 033	Cooler	<1.0	Pass	Testing Complete
M31006		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
M31009	44	Boys Locker Room		Cooler	<1.0	Pass	Testing Complete
M31015	45	Girls Locker Room		Cooler	<1.0	Pass	Testing Complete
M31016	45	Girls Locker Room		Cooler	<1.0	Pass	Testing Complete
M31022		Hallway	Next to GLR Across from Gym	Cooler	<1.0	Pass	Testing Complete
M31023		Hallway	Next to GLR Across from Gym	Cooler	<1.0	Pass	Testing Complete
M31027		Hallway	Across from 039 Aux Gym	Cooler	<1.0	Pass	Testing Complete
M31028		Hallway	Across from 039 Aux Gym	Cooler	<1.0	Pass	Testing Complete

*PPB = parts per billion