



## Montgomery County Public Schools Lead in Drinking Water Testing 2018

### Executive Summary:

#### Hallie Wells Middle School

11701 Little Seneca Parkway

Clarksburg, Maryland 20871

Date of Test Report:	4/15/2018
Round of Testing:	Initial
# of Outlets Tested:	44
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	3.6

### Project Status:

Initial testing complete: All results less than 20 ppb.



4/15/2018

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

Re: Drinking Water Testing

KCI Job #1214634186

**Location: Hallie Wells Middle School**

11701 Little Seneca Parkway  
Clarksburg, Maryland 20871

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 Hallie Wells Middle School, located at 11701 Little Seneca Parkway in Clarksburg, Maryland 20871.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Hallie Wells 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 3/22/2018 and 3/23/2018 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.

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## **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 3/23/2018 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

ATTACHMENT A

Lead in Water Test Summary Table

**Contractor:** KCI Technologies, Inc.

**Certified Laboratory:** Microbac Laboratories, Inc.

Sample Results for Hallie Wells Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW06076		Kitchen		Faucet	1.1	Pass	Testing Complete
LW06077		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06078		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06079		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06080		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06081		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06082		Kitchen		Icemaker	<1.0	Pass	Testing Complete
LW06083	157	Music		Faucet	<1.0	Pass	Testing Complete
LW06084	112	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06085	112	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06086	112	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06087	115	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06088	119	Classroom		Faucet	1.5	Pass	Testing Complete
LW06089	119	Classroom		Faucet	3.3	Pass	Testing Complete
LW06090	119	Classroom		Faucet	3.6	Pass	Testing Complete
LW06091	106	Therapy		Faucet	2.6	Pass	Testing Complete
LW06092		Hallway	Across From Cr 157	Cooler	<1.0	Pass	Testing Complete
LW06093	233	Speech Therapy		Faucet	1.6	Pass	Testing Complete
M33552		Hallway	Across From Rm 106	Cooler	<1.0	Pass	Testing Complete
M33553		Hallway	Across From Rm 106	Cooler	<1.0	Pass	Testing Complete
M33560	108	Break Room		Faucet	1.1	Pass	Testing Complete
M33561		Hallway	Outside Of Rm 160	Cooler	<1.0	Pass	Testing Complete
M33567	167	Boys Locker Room		Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M33568	101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
M33569		Hallway	Across From Cr 332	Cooler	<1.0	Pass	Testing Complete
M33570		Hallway	Across From Cr 332	Cooler	<1.0	Pass	Testing Complete
M33571		Hallway	Across From Cr 232	Cooler	<1.0	Pass	Testing Complete
M33572		Hallway	Across From Cr 232	Cooler	<1.0	Pass	Testing Complete
M33579	249	Team Room		Faucet	<1.0	Pass	Testing Complete
M33580	223	Team Room		Faucet	1.2	Pass	Testing Complete
M33587	200D	Work Room Media Center		Faucet	1.7	Pass	Testing Complete
M33588	102G	Health Room Administration		Faucet	2.8	Pass	Testing Complete
M33589	102F	Health Room Administration		Faucet	<1.0	Pass	Testing Complete
M33590	102E	Health Room Administration		Faucet	2.6	Pass	Testing Complete
M33593	100D	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
M33596	323	Team Room		Faucet	2.5	Pass	Testing Complete
M33607	123	Team Room		Faucet	<1.0	Pass	Testing Complete
M33615	139	Hallway	Across From Cr 132	Cooler	<1.0	Pass	Testing Complete
M33616		Hallway	Across From Cr 132	Cooler	<1.0	Pass	Testing Complete
M33626		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
M33627	166	Locker Room - Girls		Cooler	<1.0	Pass	Testing Complete
M33634		Kitchen		Faucet	<1.0	Pass	Testing Complete
M33635		Kitchen		Faucet	<1.0	Pass	Testing Complete
M33636		Kitchen	Middle Sinks	Faucet	<1.0	Pass	Testing Complete

\*PPB = parts per billion