



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

### Executive Summary:

#### Brookhaven Elementary School

4610 Renn Street

Rockville, Maryland 20853

Date of Test Report:	3/19/2018
Round of Testing:	Initial
# of Outlets Tested:	41
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	6.4

### Project Status:

Initial testing complete: All results less than 20 ppb.



3/19/2018

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: Brookhaven Elementary School**

4610 Renn Street  
Rockville, Maryland 20853

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 Brookhaven Elementary School, located at 4610 Renn Street in Rockville, Maryland 20853.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Brookhaven 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 2/1/2018 and 2/2/2018 to collect samples from 41 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 2/2/2018 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 Brookhaven Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02635	110	Classroom Classroom		Faucet	<1.0		Testing Complete
LW02637	109	Classroom Classroom		Faucet	<1.0		Testing Complete
LW02638	109	Classroom Classroom		Bubbler - Indoor	<1.0		Testing Complete
LW02639	108	Classroom Classroom		Faucet	1.2		Testing Complete
LW02644	202	Hallway	Across From Cr 202	Cooler	<1.0		Testing Complete
LW02646	101	Hallway	Across From	Cooler	<1.0		Testing Complete
LW02647	105	Classroom		Faucet	<1.0		Testing Complete
LW02649	101	Classroom		Faucet	5.7		Testing Complete
LW02651	103	Classroom		Faucet	<1.0		Testing Complete
LW02652	103	Classroom	Inside Of Art Room	Bubbler - Indoor	1		Testing Complete
LW02826		Hallway	Outside Of Cr 222	Cooler	<1.0		Testing Complete
LW02827		Hallway	Outside Of Cr 222	Cooler	<1.0		Testing Complete
LW02828	222	Classroom		Faucet	2.2		Testing Complete
LW02829	222	Classroom		Bubbler - Indoor	<1.0		Testing Complete
LW02830	224	Classroom		Faucet	1.3		Testing Complete
LW02832	226	Classroom		Faucet	3.4		Testing Complete
LW02834	232	Classroom		Bubbler - Indoor	<1.0		Testing Complete
LW02835	230	Classroom		Faucet	<1.0		Testing Complete
LW02836	216	Classroom		Faucet	<1.0		Testing Complete
LW02838	213	Classroom		Faucet	3.1		Testing Complete
LW02839	213	Classroom		Bubbler - Indoor	3.6		Testing Complete
LW02840	211	Classroom		Faucet	1.4		Testing Complete
LW02841	211	Classroom		Bubbler - Indoor	<1.0		Testing Complete
LW02842	210	Classroom		Faucet	<1.0		Testing Complete
LW02844	209	Classroom		Faucet	<1.0		Testing Complete
LW02845	209	Classroom		Bubbler - Indoor	<1.0		Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02846	208	Classroom		Faucet	<1.0		Testing Complete
LW02848	204	Classroom		Faucet	2.4		Testing Complete
LW02850	205	Classroom		Faucet	6.4		Testing Complete
M09674	230	Classroom		Bubbler - Indoor	<1.0		Testing Complete
M09675	231	Classroom		Faucet	<1.0		Testing Complete
M09676	231	Classroom		Bubbler - Indoor	<1.0		Testing Complete
M09677	232	Classroom		Faucet	<1.0		Testing Complete
M09679	233	Classroom		Faucet	<1.0		Testing Complete
M09680	233	Classroom		Bubbler - Indoor	<1.0		Testing Complete
M09681	234	Classroom		Faucet	1		Testing Complete
M09682	234	Classroom		Bubbler - Indoor	<1.0		Testing Complete
M09689	235	Classroom		Faucet	<1.0		Testing Complete
M09690	235	Classroom		Bubbler - Indoor	<1.0		Testing Complete
M09691	237	Classroom		Faucet	1.7		Testing Complete
M09692	237	Classroom		Bubbler - Indoor	<1.0		Testing Complete

\*PPB = parts per billion