



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

### Executive Summary:

#### Harmony Hills Elementary School

13407 Lydia Street

Silver Spring, Maryland 20906

Date of Test Report:	3/13/2018
Round of Testing:	Initial
# of Outlets Tested:	42
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	1.8

### Project Status:

Initial testing complete; All results less than 20 ppb.



3/13/2018

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

Re: Drinking Water Testing

KCI Job #1214634186

**Location: Harmony Hills Elementary School**

13407 Lydia Street  
Silver Spring, Maryland 20906

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 Harmony Hills Elementary School, located at 13407 Lydia Street in Silver Spring, Maryland 20906.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Harmony Hills 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 1/30/2018 and 1/31/2018 to collect samples from 42 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 1/31/2018 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 Harmony Hills ES

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02546	145	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02549		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02550		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02551		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02552		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW02853		Hallway		Cooler	<1.0	Pass	Testing Complete
LW02854		Hallway		Cooler	<1.0	Pass	Testing Complete
LW02855		Work Room		Faucet	<1.0	Pass	Testing Complete
M09731	139	Classroom		Faucet	1.8	Pass	Testing Complete
M09732	139	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
M09733	141	Classroom		Faucet	<1.0	Pass	Testing Complete
M09734	141	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09735	143	Classroom		Faucet	<1.0	Pass	Testing Complete
M09736	143	Classroom		Bubbler - Indoor	1	Pass	Testing Complete
M09737	146	Inst Music		Faucet	<1.0	Pass	Testing Complete
M09738	146	Inst Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09739	145	Classroom		Faucet	<1.0	Pass	Testing Complete
M09741	147	Classroom		Faucet	<1.0	Pass	Testing Complete
M09743	149	Classroom		Faucet	<1.0	Pass	Testing Complete
M09744	149	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09745	148	Classroom		Faucet	<1.0	Pass	Testing Complete
M09746	148	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09747	151	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M09748	151	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09749	150	Classroom		Faucet	<1.0	Pass	Testing Complete
M09750	150	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09765		Hallway	Next to GBR 040	Cooler	<1.0	Pass	Testing Complete
M09766		Hallway	Next to GBR 040	Cooler	<1.0	Pass	Testing Complete
M09768	38	Classroom		Faucet	<1.0	Pass	Testing Complete
M09769	38	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09770	37	Classroom		Faucet	<1.0	Pass	Testing Complete
M09771	37	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09772	36	Classroom		Faucet	<1.0	Pass	Testing Complete
M09773	36	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09776	34	Classroom		Faucet	<1.0	Pass	Testing Complete
M09777	34	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09778	33	Classroom		Faucet	<1.0	Pass	Testing Complete
M09779	33	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09780	32	Classroom		Faucet	<1.0	Pass	Testing Complete
M09781	32	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M09782	31	Classroom		Faucet	<1.0	Pass	Testing Complete
M09783	31	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

\*PPB = parts per billion