



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

### Executive Summary:

#### Sligo Creek Elementary School

500 Schuyler Road

Silver Spring, Maryland 20910

Date of Test Report:	3/23/18
Round of Testing:	Initial
# of Outlets Tested:	74
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	15.3

### Project Status:

Initial testing complete: All results less than 20 ppb.



3/23/18

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: Sligo Creek Elementary School**

500 Schuyler Road  
Silver Spring, Maryland 20910

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 Sligo Creek Elementary School, located at 500 Schuyler Road in Silver Spring, Maryland 20910.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Sligo Creek 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 2/22/18 and 2/23/18 to collect samples from 74 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 2/23/18 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 Sligo Creek Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02671		Hallway	Across From Music Room	Cooler	<1.0	Pass	Testing Complete
LW02672		Hallway	Across From Music Room	Cooler	<1.0	Pass	Testing Complete
LW02673	012	Classroom		Faucet	6.3	Pass	Testing Complete
LW02674		Hallway	Across From Rm 020	Cooler	<1.0	Pass	Testing Complete
LW02675		Hallway	Across From Rm 020	Cooler	<1.0	Pass	Testing Complete
LW02676	018	Classroom		Faucet	14.8	Pass	Testing Complete
LW02677	018	Classroom		Bubbler - Indoor	1.7	Pass	Testing Complete
LW02678	020	Classroom		Faucet	1.4	Pass	Testing Complete
LW02679	022	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02680	022	Classroom		Bubbler - Indoor	1	Pass	Testing Complete
LW02681	024	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02682	026	Classroom		Faucet	2.7	Pass	Testing Complete
LW02683	029	Office		Faucet	5.4	Pass	Testing Complete
LW02684		Hallway	Next To Rm 205	Cooler	<1.0	Pass	Testing Complete
LW02685		Hallway	Next To Rm 205	Cooler	<1.0	Pass	Testing Complete
LW02686		Office	Across From Elevator	Bubbler - Indoor	1.8	Pass	Testing Complete
LW02687		Office	Across From Elevator	Faucet	3	Pass	Testing Complete
LW02688		Hallway	Across From Staff Room	Cooler	<1.0	Pass	Testing Complete
LW02689		Hallway	Across From Staff Room	Cooler	<1.0	Pass	Testing Complete
LW02690	127	Classroom		Faucet	1.8	Pass	Testing Complete
LW02691	114	Classroom		Faucet	1.8	Pass	Testing Complete
LW02787		Hallway	Next To Rm 111	Cooler	<1.0	Pass	Testing Complete
LW02788	102A	Health Room		Faucet	1	Pass	Testing Complete
LW02789	104	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03105		Kitchen		Faucet	4.4	Pass	Testing Complete
LW03106		Kitchen		Faucet	2.1	Pass	Testing Complete
LW03107		Kitchen		Faucet	1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03108		Kitchen		Faucet	5.3	Pass	Testing Complete
LW03109		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03110		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW05296	100	Classroom		Faucet	1.9	Pass	Testing Complete
LW05298	102A	Office Office		Faucet	2	Pass	Testing Complete
LW05299	102A	Office Office		Bubbler - Indoor	3.6	Pass	Testing Complete
LW05300	208	Classroom		Faucet	1.1	Pass	Testing Complete
LW05302	213	Classroom		Bubbler - Indoor	3.7	Pass	Testing Complete
LW05303		Hallway	Next To Rm 200	Cooler	<1.0	Pass	Testing Complete
LW05341	17	Art Art		Faucet	1.4	Pass	Testing Complete
LW05342	012	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05343	124	Classroom		Faucet	<1.0	Pass	Testing Complete
M37971	213	Classroom		Faucet	<1.0	Pass	Testing Complete
M37973	206	Classroom		Faucet	1.3	Pass	Testing Complete
M37975	211	Classroom		Faucet	3.3	Pass	Testing Complete
M37977	204	Classroom		Faucet	2.6	Pass	Testing Complete
M37979	202	Classroom		Faucet	3.8	Pass	Testing Complete
M37981	209	Classroom		Faucet	2.9	Pass	Testing Complete
M37986	200	Classroom		Faucet	1.6	Pass	Testing Complete
M37987	200	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M37988		Hallway	Next To Rm 200	Cooler	<1.0	Pass	Testing Complete
M37997	123	Classroom		Faucet	2.2	Pass	Testing Complete
M37999	125	Office		Faucet	<1.0	Pass	Testing Complete
M38001	118	Classroom		Faucet	2.2	Pass	Testing Complete
M38002	118	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M38003	120	Classroom		Faucet	15.3	Pass	Testing Complete
M38005	122	Classroom		Faucet	1.7	Pass	Testing Complete
M38016	131	Classroom		Faucet	3.1	Pass	Testing Complete
M38018	129	Classroom		Faucet	1.9	Pass	Testing Complete
M38024	116	Classroom		Faucet	<1.0	Pass	Testing Complete
M38025	116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M38027	114	Office		Bubbler - Indoor	3.4	Pass	Testing Complete
M38028	121	Classroom		Faucet	2.3	Pass	Testing Complete
M38029	121	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
M38030	119	Classroom		Faucet	1.6	Pass	Testing Complete
M38032		Hallway	Across from IMC	Cooler	<1.0	Pass	Testing Complete
M38040	110B	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M38045	106	Classroom		Faucet	<1.0	Pass	Testing Complete
M38058	102G	Work Room Office		Bubbler - Indoor	5.8	Pass	Testing Complete
M38059	101	Classroom		Faucet	1.8	Pass	Testing Complete
M38062	103	Classroom		Faucet	1.3	Pass	Testing Complete
M38068		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M38082	17	Art Art		Faucet	5.9	Pass	Testing Complete
M46558	10	Classroom		Faucet	6.7	Pass	Testing Complete
M46571	25	Office		Faucet	2.6	Pass	Testing Complete
M46572	31	Office		Faucet	4.1	Pass	Testing Complete
M46576	27	Classroom		Faucet	1.7	Pass	Testing Complete

\*PPB = parts per billion