



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

### Executive Summary:

#### Sargent Shriver Elementary School

12518 Greenly Street

Silver Spring, Maryland 20906

Date of Test Report:	3/22/2018
Round of Testing:	Initial
# of Outlets Tested:	93
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	13.3

### Project Status:

Initial testing complete: All results less than 20 ppb.



3/22/2018

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: Sargent Shriver Elementary School**

12518 Greenly 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 Sargent Shriver Elementary School, located at 12518 Greenly Street in Silver Spring, Maryland 20906.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Sargent Shriver 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 2/6/2018, 2/7/2018, 2/27/2018, and 2/28/2018 to collect samples from 93 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 dates 2/7/2018 and 2/28/18 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 Sargent Shriver Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02737	1601	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02738	1219	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02739	1002	Health Room		Faucet	<1.0	Pass	Testing Complete
LW02740	1002	Health Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02741	1008	Break Room		Faucet	1.5	Pass	Testing Complete
LW02742		Hallway	Across From 1007	Cooler	<1.0	Pass	Testing Complete
LW02743	1014	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02743	1014	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02744	1301	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02745	1200	Classroom		Faucet	1.7	Pass	Testing Complete
LW02746	1019	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02747	1019	Classroom		Faucet	1	Pass	Testing Complete
LW03255		Hallway	Across From 2013	Cooler	<1.0	Pass	Testing Complete
LW03256		Hallway	Across From 2013	Cooler	<1.0	Pass	Testing Complete
LW03257	2001	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03268	1023	Classroom		Bubbler - Indoor	3	Pass	Testing Complete
LW03269	1023	Classroom		Faucet	1.4	Pass	Testing Complete
LW03270		Hallway	Right Of 1210	Cooler	<1.0	Pass	Testing Complete
LW03271	2004	Classroom		Faucet	8.8	Pass	Testing Complete
LW03272	2006	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03273	2006	Classroom		Faucet	2.2	Pass	Testing Complete
LW03274	2018	Classroom		Faucet	1.8	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03275	2018	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03276	2025	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03277	2021	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03278	2019	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03279	2015	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03280	2015	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03341		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03342	1612	Classroom		Faucet	2.7	Pass	Testing Complete
LW03343	1612	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03344	1609	Classroom		Faucet	4.8	Pass	Testing Complete
LW03345	1605	Classroom		Faucet	<1.0	Pass	Testing Complete
M28794	1000E	Work Room		Faucet	<1.0	Pass	Testing Complete
M28802	1004	Classroom		Faucet	2.2	Pass	Testing Complete
M28803	1004	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28808	1010	Classroom		Faucet	1.4	Pass	Testing Complete
M28809	1010	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28817	1014	Classroom		Faucet	1.3	Pass	Testing Complete
M28820	1301	Classroom		Faucet	5.8	Pass	Testing Complete
M28822	1305	Classroom		Faucet	1	Pass	Testing Complete
M28823	1305	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28824	1307	Classroom		Faucet	1	Pass	Testing Complete
M28825	1307	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28826	1311	Classroom		Faucet	2.6	Pass	Testing Complete
M28827	1311	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28830	1619	Classroom		Faucet	1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M28831	1619	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28832	1615	Classroom		Faucet	2.2	Pass	Testing Complete
M28833	1615	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28836	1613	Classroom		Faucet	1.1	Pass	Testing Complete
M28837	1613	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28839	1609	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28843		Hallway	Left Of 1606	Cooler	<1.0	Pass	Testing Complete
M28844		Hallway	Left Of 1606	Cooler	<1.0	Pass	Testing Complete
M28849	1605	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28850	1600	Classroom		Faucet	2.1	Pass	Testing Complete
M28851	1600	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28852	1601	Classroom		Faucet	1.7	Pass	Testing Complete
M28854	1223	Classroom		Faucet	1.5	Pass	Testing Complete
M28855	1223	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28857	1219	Classroom		Faucet	3.8	Pass	Testing Complete
M28864	1506	Classroom		Faucet	4.8	Pass	Testing Complete
M28865	1506	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28866	1502	Classroom		Faucet	1.7	Pass	Testing Complete
M28867	1502	Classroom		bubbler	<1.0	Pass	Testing Complete
M28870	1206	Classroom		Faucet	1.3	Pass	Testing Complete
M28871	1206	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28873	1204	Classroom		Faucet	2.1	Pass	Testing Complete
M28874	1204	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28879	1200	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28889	1209	Classroom		Faucet	1.8	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M28890	1209	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28891	1213	Classroom		Faucet	1.9	Pass	Testing Complete
M28892	1213	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28897		Kitchen		Faucet	2.9	Pass	Testing Complete
M28898		Kitchen		Faucet	<1.0	Pass	Testing Complete
M28899		Kitchen Kitchen		Faucet	1.3	Pass	Testing Complete
M28900		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M28903		Hallway	Left of 1400	Cooler	<1.0	Pass	Testing Complete
M28904		Hallway	Left of 1400	Cooler	<1.0	Pass	Testing Complete
M28909	1114	Classroom		Faucet	13.3	Pass	Testing Complete
M28911	1112	Classroom		Faucet	1.2	Pass	Testing Complete
M28913	1108	Classroom		Faucet	4.3	Pass	Testing Complete
M28921	2025	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28922	2021	Classroom		Faucet	1.7	Pass	Testing Complete
M28926	2019	Classroom		Faucet	2.1	Pass	Testing Complete
M28937	2013	Classroom		Faucet	2.2	Pass	Testing Complete
M28938	2007	Classroom		Faucet	1	Pass	Testing Complete
M28940	2004	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28941	2005	Classroom		Faucet	1.2	Pass	Testing Complete
M28942	2005	Classroom		Bubbler	<1.0	Pass	Testing Complete
M28943	2001	Classroom		Faucet	1.7	Pass	Testing Complete

\*PPB = parts per billion