



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

### Executive Summary:

#### Wheaton Woods Elementary School

4510 Faroe Place

Rockville, Maryland 20853

Date of Test Report:	3/13/2018
Round of Testing:	Initial
# of Outlets Tested:	119
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	3.9

### 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: Wheaton Woods Elementary School**

4510 Faroe Place  
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 Wheaton Woods Elementary School, located at 4510 Faroe Place in Rockville, Maryland 20853.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Wheaton Woods 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 and 2/7/2018 to collect samples from 119 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 2/7/2018 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 Wheaton Woods ES

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02653	102	Health Room Administration		Faucet	<1.0	Pass	Testing Complete
LW02654	102B	Other (See Location Notes) Health Room	Bathroom Inside Of	Faucet	<1.0	Pass	Testing Complete
LW02655	100J	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
LW02656	105B	Support Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02657	105B	Support Room		Faucet	1.5	Pass	Testing Complete
LW02658	109B	Support Room		Faucet	<1.0	Pass	Testing Complete
LW02659	109B	Support Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02660		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
LW02661		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
LW02662	120	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW02663	120	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW02664	117	Music		Faucet	1.1	Pass	Testing Complete
LW02665	117	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02666	124	Kitchen All Purpose Room		Faucet	<1.0	Pass	Testing Complete
LW02667	124	Kitchen All Purpose Room		Faucet	<1.0	Pass	Testing Complete
LW02668	124	Kitchen All Purpose Room		Faucet	<1.0	Pass	Testing Complete
LW02669	124	Kitchen All Purpose Room		Faucet	<1.0	Pass	Testing Complete
LW02696	122C	Storage All Purpose Room		Faucet	<1.0	Pass	Testing Complete
LW02697	137	Support Room		Faucet	2.6	Pass	Testing Complete
LW02698	137	Support Room		Bubbler - Indoor	1.7	Pass	Testing Complete
LW02699	139	Support Room		Faucet	1.9	Pass	Testing Complete
LW02701	143	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02702	143	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02703	151	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02704	151	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02705	155	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02706	155	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02707	157	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02708	157	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02761	265B	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02762	265B	Classroom		Faucet	1.5	Pass	Testing Complete
LW02763		Hallway	Across From Room 270	Cooler	<1.0	Pass	Testing Complete
LW02764		Hallway	Across From Room 270	Cooler	<1.0	Pass	Testing Complete
LW02765	270	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02766	270	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02767	274	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02768	274	Classroom		Faucet	2.8	Pass	Testing Complete
LW02769	275	Classroom		Bubbler - Indoor	1	Pass	Testing Complete
LW02770	275	Classroom		Faucet	1.6	Pass	Testing Complete
LW02771	277	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02772	277	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02773	276	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02891	159	Classroom		Faucet	1	Pass	Testing Complete
LW02892	159	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02893	172	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02894	172	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02895	174	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02896	174	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02897	178	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02898	178	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02899	177	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02900	177	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02901	173	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02902	173	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02903	180A	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW02904	239	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02905	239	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02906	235	Classroom		Faucet	1.7	Pass	Testing Complete
LW02907	235	Classroom		Bubbler - Indoor	2.3	Pass	Testing Complete
LW02908	233	Classroom		Faucet	1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02909	233	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02910	227	Classroom		Faucet	1.6	Pass	Testing Complete
LW02911	227	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02912	228	Break Room		Faucet	<1.0	Pass	Testing Complete
LW02913	222	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW02914	222	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW02915	220	Classroom		Faucet	3.9	Pass	Testing Complete
LW02916	220	Classroom		Bubbler - Indoor	1	Pass	Testing Complete
LW02917	209	Classroom		Faucet	3.1	Pass	Testing Complete
LW02918	209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02919	206	Classroom		Faucet	1.5	Pass	Testing Complete
LW02920	206	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02921	205	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02922	205	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02923	204	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02924	204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02925	201	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02926	201	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02927	200	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02928	200	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02943	180A	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW02944	186	Classroom		Faucet	1.4	Pass	Testing Complete
LW02945	186	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02946	188	Classroom		Faucet	1.2	Pass	Testing Complete
LW02948	190	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02949	190	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02950	192	Classroom		Faucet	1.1	Pass	Testing Complete
LW02951	192	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02952	194	Classroom		Faucet	1.4	Pass	Testing Complete
LW02953	194	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02954	196	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02955	196	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03258	251	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03259	251	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03260	255	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03261	255	Classroom		Faucet	1	Pass	Testing Complete
LW03262	257	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03263	257	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03264	259	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03265	259	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03266	265A	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03267	265A	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03281	276	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03282	278	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03283	278	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03284	279	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03285	279	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03286	286	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
LW03287	286	Classroom		Faucet	2.2	Pass	Testing Complete
LW03288	288	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03289	288	Classroom		Faucet	1.6	Pass	Testing Complete
LW03290	290	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03291	290	Classroom		Faucet	1.2	Pass	Testing Complete
LW03292	292	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03293	292	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03294	294	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03295	294	Classroom		Faucet	1.5	Pass	Testing Complete
LW03296	296	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03297	296	Classroom		Faucet	1	Pass	Testing Complete

\*PPB = parts per billion