



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

### Executive Summary:

#### Garrett Park Elementary School

2810 Oxford Street

Garrett Park, Maryland 20896

Date of Test Report:	4/5/2018
Round of Testing:	Initial
# of Outlets Tested:	100
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	7.9

### Project Status:

Initial testing complete: All results less than 20 ppb.



4/5/2018

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

Re: Drinking Water Testing

KCI Job #1214634189

**Location: Garrett Park Elementary School**

2810 Oxford Street  
Garrett Park, Maryland 20896

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 Garrett Park Elementary School, located at 2810 Oxford Street in Garrett Park, Maryland 20896.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Garrett Park 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 3/5/2018 and 3/6/2018 to collect samples from 100 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.

---

## **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 3/6/2018 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 Garrett Park Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04805	C267	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04806	C270	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04807	C266	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04808	C162	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04809	B124	Kitchen		Faucet	1.0	Pass	Testing Complete
LW04810	B124	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW04811	B137	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04812	C258	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04813	C262	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04814	C262	Hallway		Cooler	<1.0	Pass	Testing Complete
M50812	A102	Work Room		Faucet	<1.0	Pass	Testing Complete
M50813	A101	Speech Therapy		Faucet	3.3	Pass	Testing Complete
M50814	A101	Speech Therapy		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50815	A104	Health Room		Faucet	<1.0	Pass	Testing Complete
M50817	A104A	Office Health	inside Health	Faucet	7.9	Pass	Testing Complete
M50818	A104B	Office Health	inside Health	Faucet	1.2	Pass	Testing Complete
M50821		Hallway	Near A104 Health	Cooler	<1.0	Pass	Testing Complete
M50822		Hallway	Near A104 Health	Cooler	<1.0	Pass	Testing Complete
M50826	B130	All Purpose Room		Faucet	<1.0	Pass	Testing Complete
M50827	B130	All Purpose Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50829	B124	Kitchen		Faucet	<1.0	Pass	Testing Complete
M50830	B124	Kitchen		Faucet	<1.0	Pass	Testing Complete
M50833	B132	Band		Faucet	1.2	Pass	Testing Complete
M50834	B132	Band		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M50835	B147	Music		Faucet	<1.0	Pass	Testing Complete
M50836	B147	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50838	B141	Art		Faucet	<1.0	Pass	Testing Complete
M50839	B141	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50846	B137	ESOL		Faucet	1.8	Pass	Testing Complete
M50847	B137	ESOL		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50849	B123	Classroom		Faucet	<1.0	Pass	Testing Complete
M50850	B123	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50852	B121	Classroom		Faucet	<1.0	Pass	Testing Complete
M50853	B121	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50854		Hallway	Across from B121	Cooler	<1.0	Pass	Testing Complete
M50855		Hallway	Across from B121	Cooler	<1.0	Pass	Testing Complete
M50864	C149	Classroom		Faucet	<1.0	Pass	Testing Complete
M50865	C149	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50866	C151	Classroom		Faucet	<1.0	Pass	Testing Complete
M50867	C151	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50869	C155	Classroom		Faucet	<1.0	Pass	Testing Complete
M50870	C155	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50872	C159	Classroom		Faucet	<1.0	Pass	Testing Complete
M50873	C159	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50875	C163	Classroom		Faucet	1.8	Pass	Testing Complete
M50876	C163	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50878	C175	Classroom		Faucet	<1.0	Pass	Testing Complete
M50879	C175	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50880	C171	Classroom		Faucet	1.4	Pass	Testing Complete
M50881	C171	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50882	C169	Classroom		Faucet	1.9	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M50883	C169	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50884	C154	Classroom		Faucet	<1.0	Pass	Testing Complete
M50885	C154	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50886	C152	Classroom		Faucet	1.2	Pass	Testing Complete
M50887	C152	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50888	C148	Classroom		Faucet	<1.0	Pass	Testing Complete
M50889	C148	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50890	A204	Classroom		Faucet	<1.0	Pass	Testing Complete
M50891	A204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50892		Hallway	Next to A204	Cooler	<1.0	Pass	Testing Complete
M50893	A208	Classroom		Faucet	<1.0	Pass	Testing Complete
M50894	A208	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50895	A212	Classroom		Faucet	<1.0	Pass	Testing Complete
M50896	A212	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50897	B216	Work Room Media Center	inside IMC	Faucet	1.8	Pass	Testing Complete
M50902		Hallway	Near B227	Cooler	<1.0	Pass	Testing Complete
M50903		Hallway	Near B227	Cooler	<1.0	Pass	Testing Complete
M50904	B241	Classroom		Faucet	<1.0	Pass	Testing Complete
M50905	B241	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50906	B237	Classroom		Faucet	<1.0	Pass	Testing Complete
M50907	B237	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50909	B227	Classroom		Faucet	<1.0	Pass	Testing Complete
M50910	B227	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50911	B223	Classroom		Faucet	1.1	Pass	Testing Complete
M50912	B223	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50913	B219	Classroom		Faucet	1.1	Pass	Testing Complete
M50914	B219	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M50915	C249	Classroom		Faucet	1.2	Pass	Testing Complete
M50916	C249	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50917	C253	Classroom		Faucet	1.7	Pass	Testing Complete
M50918	C253	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50919	C257	Classroom		Faucet	1.1	Pass	Testing Complete
M50920	C257	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50921	C261	Classroom		Faucet	<1.0	Pass	Testing Complete
M50922	C261	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50923	C263	Classroom		Faucet	2.9	Pass	Testing Complete
M50924	C263	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50925	C275	Classroom		Faucet	<1.0	Pass	Testing Complete
M50926	C275	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50927	C271	Classroom		Faucet	<1.0	Pass	Testing Complete
M50928	C271	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50929	C269	Classroom		Faucet	<1.0	Pass	Testing Complete
M50930	C269	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50931	C258	Classroom		Faucet	<1.0	Pass	Testing Complete
M50933	C254	Classroom		Faucet	1.1	Pass	Testing Complete
M50934	C254	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50935	C250	Classroom		Faucet	<1.0	Pass	Testing Complete
M50936	C250	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M50937	A106	Break Room		Faucet	<1.0	Pass	Testing Complete

\*PPB = parts per billion