



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

### Executive Summary:

#### John F. Kennedy High School

1901 Randolph Road

Silver Spring, Maryland 20902

Date of Test Report:	3/19/2018
Round of Testing:	Initial
# of Outlets Tested:	50
# of Outlets $\geq$ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	2.7

### Project Status:

Initial testing complete: All results less than 20 ppb.



3/19/2018

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: John F. Kennedy High School**

1901 Randolph Road  
Silver Spring, Maryland 20902

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 John F. Kennedy High School, located at 1901 Randolph Road in Silver Spring, Maryland 20902.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at John F. Kennedy High 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 2/13/2018 and 2/14/2018 to collect samples from 50 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 2/14/2018 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 John F. Kennedy High School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03048		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03049		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03050		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03051		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03054		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03055		Kitchen Kitchen		Icemaker	<1.0	Pass	Testing Complete
LW03056		Hallway	Outside Of Rm 252	Cooler	<1.0	Pass	Testing Complete
LW03057	201	Office		Faucet	<1.0	Pass	Testing Complete
LW03058	200	Office		Faucet	<1.0	Pass	Testing Complete
LW03060	215	Office	Back Office/kitchen	Faucet	<1.0	Pass	Testing Complete
LW03061	133	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03062	133	Classroom		Faucet	1	Pass	Testing Complete
LW03063	133	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03064	133	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03065	133	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03066	108C	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03068		Hallway	Across From Auditorium	Cooler	<1.0	Pass	Testing Complete
LW03070		Hallway		Cooler	<1.0	Pass	Testing Complete
LW03184		Hallway Hallway		Cooler	<1.0	Pass	Testing Complete
LW03185		Hallway Hallway	Outside Of 282	Cooler	<1.0	Pass	Testing Complete
LW03186		Hallway Hallway	Next To Rm 135	Cooler	<1.0	Pass	Testing Complete
LW03187	149	Storage Classroom		Faucet	<1.0	Pass	Testing Complete
LW03188		Hallway Hallway	Across From Rm 121	Cooler	<1.0	Pass	Testing Complete
LW03190	132	Child Development Child Development		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03191	132	Child Development Child Development		Bubbler - Indoor	<1.0	Pass	Testing Complete
M36423	121	Classroom Classroom		Faucet	<1.0	Pass	Testing Complete
M36464		Hallway Hallway	Hallway Across 124	Cooler	<1.0	Pass	Testing Complete
MC36465		Hallway	Hallway Across 124	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M36506	133	Classroom		Faucet	2.7	Pass	Testing Complete
M36510	133	Classroom		Faucet	<1.0	Pass	Testing Complete
M36515	132	Child Development Child Development		Faucet	<1.0	Pass	Testing Complete
M36519		Hallway Hallway	Outside 132	Cooler	<1.0	Pass	Testing Complete
M36520		Hallway Hallway	Outside 134	Cooler	<1.0	Pass	Testing Complete
M36602		Hallway	Hallway Across 103	Cooler	<1.0	Pass	Testing Complete
M36604		Hallway Hallway	Outside 229	Cooler	<1.0	Pass	Testing Complete
M36611	227	Office Office		Faucet	<1.0	Pass	Testing Complete
M36627		Hallway	Outside Of Rm 233	Cooler	<1.0	Pass	Testing Complete
M36630	241	Office Office		Faucet	<1.0	Pass	Testing Complete
M36651		Hallway	Across From Rm 218	Cooler	<1.0	Pass	Testing Complete
M36659	209	Break Room Break Room		Faucet	<1.0	Pass	Testing Complete
M36664		Hallway Hallway	Outside Swbr 282	Cooler	<1.0	Pass	Testing Complete
M36670	222B	Office Office		Faucet	<1.0	Pass	Testing Complete
M36671	226	Office		Faucet	<1.0	Pass	Testing Complete
M36672		Hallway	Outside 228	Cooler	<1.0	Pass	Testing Complete
M36724		Hallway	Gym Hall	Cooler	<1.0	Pass	Testing Complete
M38617		Work Room Admin		Faucet	<1.0	Pass	Testing Complete
M38622	104B	Work Room Counselor		Faucet	<1.0	Pass	Testing Complete
M38623	111	Office Health		Faucet	<1.0	Pass	Testing Complete
M38626	113	Classroom Classroom		Faucet	<1.0	Pass	Testing Complete
M38629		Hallway Hallway	Outside Rm 113	Cooler	<1.0	Pass	Testing Complete

\*PPB = parts per billion