



Montgomery County Public Schools Lead in Drinking Water Testing 2018

May 22, 2018

Executive Summary:

Roberto Clemente Middle School

18808 Waring Station Road
Germantown, Maryland 20784

Round of Testing:	Initial
# of Outlets Tested:	34
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	4.6

Project Status:

Testing Complete: All results less than 20 ppb.



May 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 #1214634193

Location: Roberto Clemente Middle School

18808 Waring Station Road
Germantown, Maryland 20784

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 Roberto Clemente Middle School, located at 18808 Waring Station Road in Germantown, Maryland 20784.

SCOPE OF SERVICES

KCI conducted lead in water testing at Roberto Clemente Middle 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 4/18/2018 and 4/19/2018 to collect samples from 34 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 4/19/2018 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

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Lead in Water Test Summary Table

Contractor: KCI Technologies, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for Roberto Clemente Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03680	203	Health Room		Faucet	<1.0	Pass	Testing Complete
LW03681	204	Work Room		Faucet	<1.0	Pass	Testing Complete
LW03682		Hallway	Next To Cafeteria	Cooler	<1.0	Pass	Testing Complete
LW03683		Hallway	Next To Cafeteria	Cooler	<1.0	Pass	Testing Complete
LW03788		Kitchen		Faucet	1.6	Pass	Testing Complete
LW03789		Kitchen		Faucet	1.1	Pass	Testing Complete
LW03790		Kitchen		Faucet	3.1	Pass	Testing Complete
LW03791		Kitchen		Faucet	3.4	Pass	Testing Complete
LW03792		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03793		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03794		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03795		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03796	235	Classroom		Cooler	<1.0	Pass	Testing Complete
LW03797		Hallway	Across From Room236	Cooler	<1.0	Pass	Testing Complete
LW03798	239	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03799	239	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03800	239	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03802	239	Classroom		Faucet	1.7	Pass	Testing Complete
LW03803	223	Assistant Principal		Faucet	<1.0	Pass	Testing Complete
LW03804		Hallway	Across From Room 217	Cooler	<1.0	Pass	Testing Complete
LW03805	214	Break Room		Faucet	<1.0	Pass	Testing Complete
LW03806		Hallway	Across From Room 150	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03807		Hallway	Across From Room 150	Cooler	<1.0	Pass	Testing Complete
LW03808	144	Break Room		Faucet	<1.0	Pass	Testing Complete
LW03809		Hallway	Across From Room 117	Cooler	<1.0	Pass	Testing Complete
LW03810		Hallway	Across From Room 117	Cooler	<1.0	Pass	Testing Complete
LW03811		Hallway	Next To Gym	Cooler	<1.0	Pass	Testing Complete
M13703	151	Break Room		Faucet	<1.0	Pass	Testing Complete
M13706	123	Break Room		Faucet	<1.0	Pass	Testing Complete
M13707	115	Break Room		Faucet	4.6	Pass	Testing Complete
M40149	239	Classroom		Faucet	<1.0	Pass	Testing Complete
M40190		Break Room	Next to CR 209	Faucet	<1.0	Pass	Testing Complete
M40194		Hallway	Next to 208	Cooler	<1.0	Pass	Testing Complete
M40195		Hallway	Next to 208	Cooler	<1.0	Pass	Testing Complete

*PPB = parts per billion