



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Carl Sandburg Center

451 Meadow Hall Drive

Rockville, Maryland 20851

Date of Test Report:	3/9/2018
Round of Testing:	Initial
# of Outlets Tested:	28
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	8.8

Project Status:

Initial testing complete; All results less than 20 ppb.



3/9/2018

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: Carl Sandburg Center

451 Meadow Hall Drive
Rockville, Maryland 20851

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 Carl Sandburg Center, located at 451 Meadow Hall Drive in Rockville, Maryland 20851.

SCOPE OF SERVICES

KCI conducted lead in water testing at Carl Sandburg Center 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 2/14/2018 and 2/15/2018 to collect samples from 28 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 2/15/2018 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 Carl Sandburg Center

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03073		Office	Health Room	Faucet	<1.0	Pass	Testing Complete
LW03074		Kitchen		Faucet	4	Pass	Testing Complete
LW03075		Hallway	Across From Kitchen	Cooler	<1.0	Pass	Testing Complete
LW03076		Office	Inside Of Faculty Room	Faucet	2.1	Pass	Testing Complete
LW03077	11B	Office		Faucet	2.9	Pass	Testing Complete
LW03078	11B	Office		Bubbler - Indoor	1.1	Pass	Testing Complete
LW03079		Hallway		Cooler	<1.0	Pass	Testing Complete
LW03080	4	Classroom		Faucet	3.1	Pass	Testing Complete
LW03081	4	Classroom		Bubbler - Indoor	2.9	Pass	Testing Complete
LW03082	3	Classroom		Faucet	6.1	Pass	Testing Complete
LW03083	3	Classroom		Bubbler - Indoor	3.8	Pass	Testing Complete
LW03084	2	Classroom		Faucet	3.7	Pass	Testing Complete
LW03085	2	Classroom		Bubbler - Indoor	2.6	Pass	Testing Complete
LW03086	1	Classroom		Faucet	4.6	Pass	Testing Complete
LW03088	8	Classroom		Faucet	8.3	Pass	Testing Complete
LW03089	8	Classroom		Bubbler - Indoor	6.1	Pass	Testing Complete
LW03090	7	Classroom		Faucet	5.3	Pass	Testing Complete
LW03091	7	Classroom		Bubbler - Indoor	8.8	Pass	Testing Complete
LW03092	6	Classroom		Faucet	2.6	Pass	Testing Complete
LW03093	6	Classroom		Bubbler - Indoor	7.7	Pass	Testing Complete
LW03094	18	Classroom		Faucet	4	Pass	Testing Complete
LW03097	16	Classroom		Faucet	4.3	Pass	Testing Complete
LW03098	16	Classroom		Faucet	8.7	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03100	12	Classroom		Bubbler - Indoor	5.7	Pass	Testing Complete
LW03101	12	Classroom		Faucet	3.6	Pass	Testing Complete
LW03102	10	Classroom		Faucet	1.9	Pass	Testing Complete
LW03104		Hallway	Between B&g Bathroom	Cooler	1.2	Pass	Testing Complete
M02509		Kitchen Kitchen		Faucet	4.9	Pass	Testing Complete

*PPB = parts per billion