



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Glen Haven Elementary School

10900 Inwood Avenue

Silver Spring, Maryland 20902

Date of Test Report:	3/9/2018
Round of Testing:	Initial
# of Outlets Tested:	93
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	10.4

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: Glen Haven Elementary School

10900 Inwood Avenue
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 Glen Haven Elementary School, located at 10900 Inwood Avenue in Silver Spring, Maryland 20902.

SCOPE OF SERVICES

KCI conducted lead in water testing at Glen Haven 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 2/22/2018 and 2/23/2018 to collect samples from 93 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 2/23/2018 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 Glen Haven ES

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW06365		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06366		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW06367	115	Break Room		Faucet	1.3	Pass	Testing Complete
LW06368	300	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06453	308	Classroom		Faucet	1.6	Pass	Testing Complete
LW06454	308	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06455	310	Classroom		Faucet	1.7	Pass	Testing Complete
LW06456	310	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06457	317	Classroom		Faucet	<1.0	Pass	Testing Complete
LW06458	315	Classroom		Faucet	1.7	Pass	Testing Complete
LW06459	315	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06460	151	Classroom		Faucet	1.4	Pass	Testing Complete
LW06461	209	Classroom		Faucet	2.1	Pass	Testing Complete
LW06467		Hallway	Across From 123	Cooler	4.6	Pass	Testing Complete
LW06468	419	Classroom		Faucet	2.8	Pass	Testing Complete
LW06469		Hallway	2nd Floor By Elevator	Cooler	<1.0	Pass	Testing Complete
LW06470	129	Day Care		Faucet	<1.0	Pass	Testing Complete
LW06471	129	Day Care		Bubbler - Indoor	1.6	Pass	Testing Complete
M28171	103A	Office Media Center		Faucet	2.9	Pass	Testing Complete
M28172		Hallway	1st floor By elev.	Cooler	<1.0	Pass	Testing Complete
M28173		Hallway	1st floor By elev.	Cooler	<1.0	Pass	Testing Complete
M28174	112	Work Room Admin		Faucet	2.5	Pass	Testing Complete
M28176		Hallway	Next to 114	Cooler	<1.0	Pass	Testing Complete
M28177		Hallway	Next to 114	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M28178		Health Room Health		Faucet	<1.0	Pass	Testing Complete
M28182		Hallway	Across from CR 105	Cooler	<1.0	Pass	Testing Complete
M28183		Hallway	Across from CR 105	Cooler	<1.0	Pass	Testing Complete
M28187	300	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28188	302	Classroom		Faucet	<1.0	Pass	Testing Complete
M28189	302	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28190	306	Classroom		Faucet	2.5	Pass	Testing Complete
M28191	306	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28200	321	Classroom		Faucet	<1.0	Pass	Testing Complete
M28201	321	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28204	317	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28209	311	Classroom		Faucet	1.3	Pass	Testing Complete
M28210	311	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28212	205	Classroom		Faucet	<1.0	Pass	Testing Complete
M28213	205	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28215	209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28221	214	Classroom		Faucet	1.5	Pass	Testing Complete
M28222	214	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28223	211	Classroom		Faucet	<1.0	Pass	Testing Complete
M28224	211	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28225	216	Classroom		Faucet	<1.0	Pass	Testing Complete
M28226	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28227	215	Classroom		Faucet	2.3	Pass	Testing Complete
M28228	215	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28229	220	Classroom		Faucet	2.9	Pass	Testing Complete
M28230	220	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28233	222	Classroom		Faucet	<1.0	Pass	Testing Complete
M28234	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M28235	221	Classroom		Faucet	1.3	Pass	Testing Complete
M28236	221	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28237	226	Classroom		Faucet	1.3	Pass	Testing Complete
M28238	226	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28239	122	Classroom		Faucet	4	Pass	Testing Complete
M28244		Hallway	Next to 124	Cooler	10.4	Pass	Testing Complete
M28252	141	Classroom		Faucet	9.7	Pass	Testing Complete
M28253		Hallway	Across FROM 147	Cooler	<1.0	Pass	Testing Complete
M28254		Hallway	Across FROM 147	Cooler	<1.0	Pass	Testing Complete
M28255	145	Classroom		Faucet	4	Pass	Testing Complete
M28257	147	Classroom		Faucet	1.8	Pass	Testing Complete
M28259	157	Classroom		Faucet	6	Pass	Testing Complete
M28261	151	Classroom		Faucet	1.1	Pass	Testing Complete
M28263		All Purpose Room		Cooler	<1.0	Pass	Testing Complete
M28264		Cafeteria All Purpose Room		Cooler	<1.0	Pass	Testing Complete
M28269		Kitchen Kitchen		Faucet	6.1	Pass	Testing Complete
M28270		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M28271		Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M28274		Hallway	Next to ELEV. 2ND FLOOR	Cooler	<1.0	Pass	Testing Complete
M28280	403	Classroom		Faucet	3.5	Pass	Testing Complete
M28281	403	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28282	407	Classroom		Faucet	2.3	Pass	Testing Complete
M28283	407	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28284	414	Classroom		Faucet	2.3	Pass	Testing Complete
M28285	414	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28286	409	Classroom		Faucet	1.3	Pass	Testing Complete
M28287	409	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28288	416	Classroom		Faucet	1.7	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M28289	416	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28290	413	Classroom		Faucet	<1.0	Pass	Testing Complete
M28291	413	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28292	420	Classroom		Faucet	2.4	Pass	Testing Complete
M28293	420	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28294	415	Classroom		Faucet	3.1	Pass	Testing Complete
M28295	415	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28296	422	Classroom		Faucet	1.4	Pass	Testing Complete
M28297	422	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28299	419	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28300	426	Classroom		Faucet	<1.0	Pass	Testing Complete
M28301	426	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M28305	129	Office Day Care	Kitchen	Faucet	<1.0	Pass	Testing Complete

*PPB = parts per billion