



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Glenallan Elementary School

12520 Heurich Road

Silver Spring, Maryland 20902

Date of Test Report:	3/14/2018
Round of Testing:	Initial
# of Outlets Tested:	100
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	5.1

Project Status:

Initial testing complete; All results less than 20 ppb.



3/14/2018

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: Glenallan Elementary School

12520 Heurich 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 Glenallan Elementary School, located at 12520 Heurich Road in Silver Spring, Maryland 20902.

SCOPE OF SERVICES

KCI conducted lead in water testing at Glenallan 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 2/13/2018 and 2/14/2018 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 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

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Lead in Water Test Summary Table

Contractor: KCI Technologies, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for Glenallan ES

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03350	210	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03351	204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30536	238	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30537	238	Classroom		Faucet	<1.0	Pass	Testing Complete
M30538	234	Classroom		Faucet	<1.0	Pass	Testing Complete
M30539	234	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30541	241	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30542	241	Classroom		Faucet	<1.0	Pass	Testing Complete
M30543	232	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30544	232	Classroom		Faucet	<1.0	Pass	Testing Complete
M30546	228	Classroom		Faucet	<1.0	Pass	Testing Complete
M30547	228	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30548	237	Classroom		Faucet	<1.0	Pass	Testing Complete
M30549	237	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30553	226	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30554	226	Classroom		Faucet	<1.0	Pass	Testing Complete
M30555	233	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30556	233			Faucet	<1.0	Pass	Testing Complete
M30557	222	Classroom		Faucet	<1.0	Pass	Testing Complete
M30558	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30559	229	Classroom		Faucet	<1.0	Pass	Testing Complete
M30560	229	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30564	220	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30565	220	Classroom		Faucet	<1.0	Pass	Testing Complete
M30566	225	Classroom		Faucet	<1.0	Pass	Testing Complete
M30567	225	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30568	216	Classroom		Faucet	<1.0	Pass	Testing Complete
M30569	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30570	221	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30571	221	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30572		Hallway Hallway	Between CR 216 and Stairwell of Elevator	Cooler	<1.0	Pass	Testing Complete
M30573	217	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M30574	217	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30575	217	Classroom		Faucet	<1.0	Pass	Testing Complete
M30576	210	Classroom		Faucet	<1.0	Pass	Testing Complete
M30578	213	Classroom		Faucet	<1.0	Pass	Testing Complete
M30579	213	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30583	208	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30584	208	Classroom		Faucet	<1.0	Pass	Testing Complete
M30585	204	Classroom		Faucet	<1.0	Pass	Testing Complete
M30588	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30590	136	Classroom		Faucet	<1.0	Pass	Testing Complete
M30592	143	Break Room		Faucet	<1.0	Pass	Testing Complete
M30593	132	Classroom		Faucet	<1.0	Pass	Testing Complete
M30594	132	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30596	128	Classroom		Faucet	<1.0	Pass	Testing Complete
M30597	128	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30599	135	Classroom		Faucet	<1.0	Pass	Testing Complete
M30600	135	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30602	131	Classroom		Faucet	<1.0	Pass	Testing Complete
M30603	131	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30605	122	Classroom		Faucet	<1.0	Pass	Testing Complete
M30606	122	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30608	118	Classroom		Faucet	<1.0	Pass	Testing Complete
M30609	118	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30611	123	Classroom		Faucet	<1.0	Pass	Testing Complete
M30612	123	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30614	119	Classroom		Faucet	<1.0	Pass	Testing Complete
M30615	119	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30618		Hallway	Across from CR 119 By the stairwell	Cooler	<1.0	Pass	Testing Complete
M30619		Hallway	Across from CR 119 By the stairwell	Cooler	<1.0	Pass	Testing Complete
M30620	110	Work Room		Faucet	<1.0	Pass	Testing Complete
M30624	102	Health Room Health		Faucet	<1.0	Pass	Testing Complete
M30626	102A	Exam Health	inside Rm 102 Health	Faucet	1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30634	153	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30635	153	Classroom		Faucet	<1.0	Pass	Testing Complete
M30637		Hallway	Across from CR 153 and APR	Cooler	<1.0	Pass	Testing Complete
M30646	159	Classroom		Faucet	<1.0	Pass	Testing Complete
M30648	158B	Kitchenette All Purpose Room	inside 158 APR	Faucet	<1.0	Pass	Testing Complete
M30649	170	Kitchen	Next to Entrance	Faucet	<1.0	Pass	Testing Complete
M30650	170	Kitchen Kitchen	in corner	Faucet	1.5	Pass	Testing Complete
M30651	170	Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M30652	170	Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M30655		Hallway	Across from CR 011	Cooler	<1.0	Pass	Testing Complete
M30656		Hallway	Across from CR 011	Cooler	<1.0	Pass	Testing Complete
M30657	9	Classroom		Faucet	<1.0	Pass	Testing Complete
M30658	9	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30659	11	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30660	11	Classroom		Faucet	<1.0	Pass	Testing Complete
M30665	20	Classroom		Faucet	<1.0	Pass	Testing Complete
M30666	20	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30667	19	Classroom		Faucet	<1.0	Pass	Testing Complete
M30668	19	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30669	24	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30670	24	Classroom		Faucet	<1.0	Pass	Testing Complete
M30671	23	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30672	23	Classroom		Faucet	<1.0	Pass	Testing Complete
M30676	26	Classroom		Faucet	<1.0	Pass	Testing Complete
M30677	26	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30678	27	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30679	27	Classroom		Faucet	<1.0	Pass	Testing Complete
M30680	30	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30681	30	Classroom		Faucet	<1.0	Pass	Testing Complete
M30682	31	Classroom		Faucet	<1.0	Pass	Testing Complete
M30683	31	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30685	32	Classroom		Faucet	<1.0	Pass	Testing Complete
M30686	32	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30687	36	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30688	36	Classroom		Faucet	<1.0	Pass	Testing Complete
075929A	140	Classroom		Faucet	<1.0	Pass	Testing Complete

*PPB = parts per billion