



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Wyngate Elementary School

9300 Wadsworth Drive

Bethesda, Maryland 20817

Date of Test Report:	3/30/2018
Round of Testing:	Initial
# of Outlets Tested:	69
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	4.9

Project Status:

Initial testing complete: All results less than 20 ppb.



3/30/2018

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: Wyngate Elementary School

9300 Wadsworth Drive
Bethesda, Maryland 20817

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 Wyngate Elementary School, located at 9300 Wadsworth Drive in Bethesda, Maryland 20817.

SCOPE OF SERVICES

KCI conducted lead in water testing at Wyngate 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 3/6/2018 and 3/7/2018 to collect samples from 69 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 3/7/2018 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 Wyngate Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW05499		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW05500		Hallway	Outside Of Café	Cooler	<1.0	Pass	Testing Complete
LW05501		Lobby	Outside Of Gym	Cooler	<1.0	Pass	Testing Complete
LW05502	35	Break Room Office		Faucet	<1.0	Pass	Testing Complete
LW05503		Hallway	Across From Rm 130	Cooler	<1.0	Pass	Testing Complete
LW05609	1	Kindergarten		Faucet	1.3	Pass	Testing Complete
LW05610	1	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05611	3	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW05612	3	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05613	4	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05614	5	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW05615	5	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05616	6	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW05617	6	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05618	11	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05619	12	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05620		Hallway	Across From Cr 12	Cooler	<1.0	Pass	Testing Complete
LW05621		Hallway	Across From Cr12	Cooler	<1.0	Pass	Testing Complete
LW05622	13	Classroom		Faucet	1.3	Pass	Testing Complete
LW05623	16	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05624		Hallway	Across From Cr 17	Cooler	<1.0	Pass	Testing Complete
LW05625	19	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05626	22	Art		Faucet	<1.0	Pass	Testing Complete
LW05627	22	Art		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW05628		Hallway	Next To Cr 22	Cooler	<1.0	Pass	Testing Complete
M31570	105	Classroom Dual Purpose Room		Faucet	<1.0	Pass	Testing Complete
M31571	105	Classroom Dual Purpose Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31572	108	Inst Music		Faucet	<1.0	Pass	Testing Complete
M31573	108	Inst Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31574	118	Classroom		Faucet	<1.0	Pass	Testing Complete
M31575	118	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31576	115	Classroom		Faucet	<1.0	Pass	Testing Complete
M31577	115	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31578	119	Classroom		Faucet	<1.0	Pass	Testing Complete
M31579	119	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31580	120	Classroom		Faucet	<1.0	Pass	Testing Complete
M31581	120	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31582	124	Classroom		Faucet	<1.0	Pass	Testing Complete
M31583	124	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31584	121	Classroom		Faucet	<1.0	Pass	Testing Complete
M31585	121	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31591	126	Classroom		Faucet	<1.0	Pass	Testing Complete
M31592	126	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M31598		Hallway	Across From Rm 130	Cooler	<1.0	Pass	Testing Complete
M31599	130	Classroom		Faucet	<1.0	Pass	Testing Complete
M31600	130	Classroom		Bubbler - Indoor	1.8	Pass	Testing Complete
M35663	10	Classroom		Faucet	<1.0	Pass	Testing Complete
M38906	2	Kindergarten		Faucet	<1.0	Pass	Testing Complete
M38907	2	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
M38912	4	Kindergarten		Faucet	<1.0	Pass	Testing Complete
M38922	31	Material Prep Area Media Center		Faucet	1.2	Pass	Testing Complete
M38931		Hallway	Outside Of Café	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M38934		Kitchen		Faucet	1.4	Pass	Testing Complete
M38935		Kitchen		Faucet	1.0	Pass	Testing Complete
M38936		Kitchen		Faucet	3.1	Pass	Testing Complete
M38946	32	Work Room Office	in Office	Faucet	<1.0	Pass	Testing Complete
M38948	30	Health Room Health Room		Faucet	<1.0	Pass	Testing Complete
M38950	9	Classroom		Faucet	<1.0	Pass	Testing Complete
M38954	15	Classroom		Faucet	1.6	Pass	Testing Complete
M38955	17	Classroom		Faucet	<1.0	Pass	Testing Complete
M38957	21	Classroom		Faucet	<1.0	Pass	Testing Complete
M38958	24	Speech Therapy		Faucet	4.9	Pass	Testing Complete
M38959	26	Special Ed		Faucet	1.3	Pass	Testing Complete
M38960	27	Reading		Faucet	2.5	Pass	Testing Complete
M38961	25	Counselor		Faucet	<1.0	Pass	Testing Complete
M38963	23	Music		Faucet	<1.0	Pass	Testing Complete
M38967	20	Classroom		Faucet	<1.0	Pass	Testing Complete
M38968	18	Classroom		Faucet	<1.0	Pass	Testing Complete
M38978	R 14	Classroom		Faucet	<1.0	Pass	Testing Complete

*PPB = parts per billion