



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

William Farquhar Middle School

17017 Batchellors Forest Road

Olney, Maryland 20832

Date of Test Report:	4/5/2018
Round of Testing:	Initial
# of Outlets Tested:	35
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	1.5

Project Status:

Initial testing complete: All results less than 20 ppb.



4/5/2018

Mr. Brian Mullikin, MS
Environmental Team Leader
Montgomery County Public Schools
Division of Maintenance
Gaithersburg, Maryland 20879

Re: Drinking Water Testing

KCI Job #1214634189

Location: William Farquhar Middle School

17017 Batchellors Forest Road
Olney, Maryland 20832

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 William Farquhar Middle School, located at 17017 Batchellors Forest Road in Olney, Maryland 20832.

SCOPE OF SERVICES

KCI conducted lead in water testing at William Farquhar 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 3/13/2018 and 3/14/2018 to collect samples from 35 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 3/14/2018 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

ATTACHMENT A

Lead in Water Test Summary Table

Contractor: KCI Technologies, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for William Farquhar Middle School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04850	139	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW04851	139	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW04852	139	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW04853	139	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW04854	139	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW04855	139	Kitchen		Icemaker	<1.0	Pass	Testing Complete
M33473	15	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M33474	15	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M33479	10	Team Rm		Faucet	<1.0	Pass	Testing Complete
M33480	11	Copy		Faucet	<1.0	Pass	Testing Complete
M33485	30	Break Room		Faucet	1.3	Pass	Testing Complete
M33486	30	Break Room		Faucet	1.3	Pass	Testing Complete
M33487	120	Break Room		Faucet	<1.0	Pass	Testing Complete
M33493	115	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M33494	115	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M33499	110	Team Rm		Faucet	<1.0	Pass	Testing Complete
M33500	111	Copy		Faucet	<1.0	Pass	Testing Complete
M33501	212	Copy		Faucet	<1.0	Pass	Testing Complete
M33502	210	Team Rm		Faucet	<1.0	Pass	Testing Complete
M33507	215	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M33508	215	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M33516	233	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M33517	100N	Mail Room		Faucet	<1.0	Pass	Testing Complete
M33521	159	Health Room		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M33522	159D	Health Room		Faucet	1.5	Pass	Testing Complete
M33524	141	Boys Locker Room		Cooler	<1.0	Pass	Testing Complete
M33538	148	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M33539	148	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M33542	139	Kitchen		Faucet	<1.0	Pass	Testing Complete
M33543	139	Kitchen		Faucet	<1.0	Pass	Testing Complete
M33544	139	Kitchen		Faucet	<1.0	Pass	Testing Complete
M33546	139	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M33547	139	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M33549	136	Team Rm		Faucet	<1.0	Pass	Testing Complete
M33550	137	Team Room		Faucet	<1.0	Pass	Testing Complete

*PPB = parts per billion