



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Weller Road Elementary School

3301 Weller Road

Silver Spring, Maryland 20906

Date of Test Report:	3/13/2018
Round of Testing:	Initial
# of Outlets Tested:	143
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	6.5

Project Status:

Initial testing complete; All results less than 20 ppb.



3/13/2018

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: Weller Road Elementary School

3301 Weller Road
Silver Spring, Maryland 20906

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 Weller Road Elementary School, located at 3301 Weller Road in Silver Spring, Maryland 20906.

SCOPE OF SERVICES

KCI conducted lead in water testing at Weller Road 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 2/8/2018 and 2/9/2018 to collect samples from 143 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 2/9/2018 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 Weller Road ES

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02722		Hallway	Across From Daycare	Cooler	<1.0	Pass	Testing Complete
LW02723		Hallway	Across From Daycare	Cooler	<1.0	Pass	Testing Complete
LW02748	114	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02749		Hallway	Beside 116	Cooler	<1.0	Pass	Testing Complete
LW02750		Hallway	Across From 129	Cooler	<1.0	Pass	Testing Complete
LW02751		Hallway	Across From 129	Cooler	<1.0	Pass	Testing Complete
LW02752		Hallway	Across From 146	Cooler	<1.0	Pass	Testing Complete
LW02753		Hallway	Across From 146	Cooler	<1.0	Pass	Testing Complete
LW02754		Hallway Lobby		Cooler	<1.0	Pass	Testing Complete
LW02755		Hallway Lobby		Cooler	<1.0	Pass	Testing Complete
LW02756		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
LW02757		Hallway	Across From Gym	Cooler	<1.0	Pass	Testing Complete
LW02758		Hallway	Across From Mpr	Cooler	<1.0	Pass	Testing Complete
LW02759		Hallway	Across From Mpr	Cooler	<1.0	Pass	Testing Complete
LW02760	169	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04612		Hallway	Beside 215	Cooler	<1.0	Pass	Testing Complete
LW04613		Hallway	Beside 215	Cooler	<1.0	Pass	Testing Complete
LW04614	208	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04615		Hallway	Left Of 208	Cooler	<1.0	Pass	Testing Complete
LW04616	204	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04617		Hallway	Across From 229	Cooler	<1.0	Pass	Testing Complete
LW04618		Hallway	Across From 229	Cooler	<1.0	Pass	Testing Complete
LW04619		Hallway	Across From 104	Cooler	<1.0	Pass	Testing Complete
M30691	219	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30692	219	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30693	224	Classroom		Faucet	<1.0	Pass	Testing Complete
M30694	224	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30695	217	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30696	217	Classroom		Faucet	<1.0	Pass	Testing Complete
M30697	222	Classroom		Faucet	<1.0	Pass	Testing Complete
M30698	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30699	215	Classroom		Faucet	<1.0	Pass	Testing Complete
M30700	215	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30703	220	Classroom		Faucet	<1.0	Pass	Testing Complete
M30704	220	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30711	218	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30712	218	Classroom		Faucet	<1.0	Pass	Testing Complete
M30713	214	Classroom		Faucet	<1.0	Pass	Testing Complete
M30714	214	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30715	212	Classroom		Faucet	<1.0	Pass	Testing Complete
M30716	212	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30717	210	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30718	210	Classroom		Faucet	<1.0	Pass	Testing Complete
M30719	208	Classroom		Faucet	<1.0	Pass	Testing Complete
M30722		Hallway	Next to CR 208	Cooler	<1.0	Pass	Testing Complete
M30723	206	Classroom		Faucet	2.3	Pass	Testing Complete
M30724	206	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30726	204	Classroom		Faucet	<1.0	Pass	Testing Complete
M30727	202	Classroom		Faucet	<1.0	Pass	Testing Complete
M30728	202	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30729	200	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30730	200	Classroom		Faucet	<1.0	Pass	Testing Complete
M30731		Hallway	Next to CR 200	Cooler	<1.0	Pass	Testing Complete
M30741	228	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30742	228	Classroom		Faucet	<1.0	Pass	Testing Complete
M30743	230	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30744	230	Classroom		Faucet	<1.0	Pass	Testing Complete
M30745	229	Classroom		Faucet	<1.0	Pass	Testing Complete
M30746	229	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30749	231	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30750	231	Classroom		Faucet	<1.0	Pass	Testing Complete
M30751	232	Classroom		Faucet	<1.0	Pass	Testing Complete
M30752	232	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30753	233	Classroom		Faucet	<1.0	Pass	Testing Complete
M30754	233	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30755	234	Office		Faucet	<1.0	Pass	Testing Complete
M30757	108	Classroom		Faucet	<1.0	Pass	Testing Complete
M30759	103	Classroom		Faucet	<1.0	Pass	Testing Complete
M30760	103	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30762		Hallway	Next to CR 103	Cooler	<1.0	Pass	Testing Complete
M30765	104	Health Room Health		Faucet	<1.0	Pass	Testing Complete
M30767	104H	Health Room Health	inside Health	Faucet	<1.0	Pass	Testing Complete
M30768	104I	Health Room Health	inside Health	Faucet	<1.0	Pass	Testing Complete
M30769	104E	Lab Health	inside Health	Faucet	1.9	Pass	Testing Complete
M30772	100A	Work Room Admin	inside Admin	Faucet	<1.0	Pass	Testing Complete
M30773	101C	Work Room Media Center	inside 101 IMC	Faucet	<1.0	Pass	Testing Complete
M30776	166	Classroom Art		Faucet	<1.0	Pass	Testing Complete
M30777	166	Classroom Art		Faucet	<1.0	Pass	Testing Complete
M30778	168			Faucet	<1.0	Pass	Testing Complete
M30779	168	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30780	170	Classroom		Faucet	<1.0	Pass	Testing Complete
M30781	170	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30799	174J	Kitchen	inside 174J	Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30800	174J	Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M30801	174J	Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M30807	177	Break Room		Faucet	<1.0	Pass	Testing Complete
M30808	175	Classroom		Faucet	<1.0	Pass	Testing Complete
M30811	169	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30815	164	Day Care Day Care		Faucet	<1.0	Pass	Testing Complete
M30818	164E	Office Day Care	inside 164 Day Care	Faucet	<1.0	Pass	Testing Complete
M30820	159	Classroom		Faucet	<1.0	Pass	Testing Complete
M30821	159	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30822	157	Classroom		Faucet	1.9	Pass	Testing Complete
M30823	157	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30825	158	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30826	156	Classroom		Faucet	<1.0	Pass	Testing Complete
M30827	156	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30828	154	Classroom		Faucet	<1.0	Pass	Testing Complete
M30829	154	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30834	152	Classroom		Faucet	<1.0	Pass	Testing Complete
M30835	152	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30844	131	Work Room		Faucet	6.5	Pass	Testing Complete
M30845	131	Classroom		Bubbler - Indoor	3.2	Pass	Testing Complete
M30846		Hallway	Next to CR 140	Cooler	<1.0	Pass	Testing Complete
M30847		Hallway	Next to CR 140	Cooler	<1.0	Pass	Testing Complete
M30849	140	Classroom		Faucet	<1.0	Pass	Testing Complete
M30850	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30851	140	Classroom		Faucet	<1.0	Pass	Testing Complete
M30853	142	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30854	142	Classroom		Faucet	<1.0	Pass	Testing Complete
M30855	142	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30856	142	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30857	133	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30858	133	Classroom		Faucet	<1.0	Pass	Testing Complete
M30859	137	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30860	137	Classroom		Faucet	<1.0	Pass	Testing Complete
M30872	112	Classroom		Faucet	<1.0	Pass	Testing Complete
M30873	112	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30875	113	Classroom		Faucet	<1.0	Pass	Testing Complete
M30876	113	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30878	114	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30881	115	Hallway		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30882	115	Classroom		Faucet	1.4	Pass	Testing Complete
M30883	117	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30884	117	Classroom		Faucet	<1.0	Pass	Testing Complete
M30886	116	Classroom		Faucet	<1.0	Pass	Testing Complete
M30887	116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30890		Hallway	Next to CR 116	Cooler	<1.0	Pass	Testing Complete
M30891	118	Classroom		Faucet	<1.0	Pass	Testing Complete
M30892	118	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30895	122	Classroom		Faucet	<1.0	Pass	Testing Complete
M30896	122	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30897	124	Classroom		Faucet	<1.0	Pass	Testing Complete
M30898	124	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30899	123	Classroom		Faucet	2.7	Pass	Testing Complete
M30900	123	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30901	125	Classroom		Faucet	<1.0	Pass	Testing Complete
M30902	125	Classroom		Bubbler	<1.0	Pass	Testing Complete
M30903	126	Classroom		Faucet	<1.0	Pass	Testing Complete
M30904	126	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30905	128	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M30907	130	Classroom		Faucet	<1.0	Pass	Testing Complete
M30908	130	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

*PPB = parts per billion