

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Beverly Farms Elementary School
8501 Postoak Road
Potomac, MD 20854**

Report Date: June 26, 2023

LEAD IN DRINKING WATER SAMPLE RESULTS SUMMARY

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations (COMAR). Montgomery County Public Schools (MCPS) is required to remediate outlets where lead in drinking water concentrations exceed the State Action Level (AL) of 5 parts per billion (ppb). A summary of the lead in water initial samples collected by Inspection Experts Inc is presented in the table below.

Sampling Date	4/27/23
# of Outlets Tested	64
# of Outlets \geq 5 ppb	1

NEXT STEPS

If an initial sample exceeds the AL (5 ppb), the outlet will be shut-down within 24 hours, a follow up sample collected, and a remedial plan of action developed for this outlet. No additional sampling or remedial actions are required for schools where all initial samples are below the AL.

HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

SOURCES OF HUMAN EXPOSURE TO LEAD

There are many different sources of human exposure to lead. These include: lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass outlets, food, cosmetics, exposure in the workplace and from certain hobbies. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead containing water this may increase to 40 to 60 percent.

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

1. Run your water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

**Please note that boiling the water will not reduce lead levels.*

ADDITIONAL INFORMATION

1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or brian_a_mullikin@mcpsmd.org.
2. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead.
3. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

Please refer to the attachment(s) for additional water sampling information.

Attachment(s):

A- Lead in Water Sample Results Table

ATTACHMENT A

Lead in Water Sample Results Table

Sampling Results for Beverly Farms ES

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW04826	In classroom 238	Drinking Fountain	<1.0	Pass	Testing Complete
M30388	In health room 100A	Nurses Office Sink	<1.0	Pass	Testing Complete
M30389	In health room 100A	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30391	In health room 100A2	Nurses Office Sink	1.0	Pass	Testing Complete
M30393	In office 100A3	Nurses Office Sink	<1.0	Pass	Testing Complete
M30394	In office 100A3	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30396	In work room 100C	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30399	In music 117	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30402	In art 121	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30403	In art 121	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30405	In dual purpose room 104	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30409	In classroom 123	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30411	In classroom 112	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30414	In classroom 127	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
M30420	In classroom 116	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30422	In classroom 129	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30424	In classroom 133	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30430	In classroom 128	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30432	In classroom 135	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30434	In office 130	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30437	In classroom 139	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30440	In classroom 141	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30445	In hallway next to gym	Drinking Fountain	<1.0	Pass	Testing Complete
M30446	In hallway next to gym	Drinking Fountain	<1.0	Pass	Testing Complete
M30449	In classroom 145	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30450	In kitchen 109B	Kitchen Sink	<1.0	Pass	Testing Complete
M30451	In kitchen 109B	Kitchen Sink	<1.0	Pass	Testing Complete
M30452	In kitchen 109B	Kitchen Sink	<1.0	Pass	Testing Complete
M30454	In kitchenette 109D	Kitchen Sink	<1.0	Pass	Testing Complete
M30455	In hallway 109	Drinking Fountain	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
M30456	In hallway 109	Drinking Fountain	<1.0	Pass	Testing Complete
M30465	In office 101	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30467	In break room 200	Teachers Lounge Sink	<1.0	Pass	Testing Complete
M30468	In break room 200	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30470	In classroom 201	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30474	In classroom 205	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30480	In classroom 213	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30482	In hallway next to CR 213	Drinking Fountain	<1.0	Pass	Testing Complete
M30483	In hallway next to CR 213	Drinking Fountain	<1.0	Pass	Testing Complete
M30484	In classroom 222	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30487	In classroom 217	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30489	In classroom 226	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30490	In classroom 221	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30492	In classroom 228	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30495	In classroom 223	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30496	In classroom 227	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30500	In classroom 240	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
M30503	In classroom 229	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30505	In classroom 246	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30506	In classroom 233	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30508	In classroom 248	Classroom Combination Drinking Fountain	8.7	Fail	Remediation Action Plan
M30511	In classroom 235	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30513	In classroom 252	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30514	In classroom 239	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30524	In classroom 243	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30525	In classroom 247	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30528	In classroom 255	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M30530	In hallway 255	Drinking Fountain	<1.0	Pass	Testing Complete
M30531	In hallway 255	Drinking Fountain	<1.0	Pass	Testing Complete
M30445-BF	In hallway next to gym	Drinking Fountain	<1.0	Pass	Testing Complete
M30455-BF	In hallway 109	Drinking Fountain	<1.0	Pass	Testing Complete
M30482-BF	In hallway next to CR 213	Drinking Fountain	<1.0	Pass	Testing Complete
M30530-BF	In hallway 255	Drinking Fountain	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
M30499	In office 238	Teachers Lounge Sink	<1.0	Pass	Testing Complete

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Beverly Farms Elementary School
8501 Postoak Road
Potomac, MD 20854**

Report Date: April 1st, 2020

LEAD IN DRINKING WATER SAMPLE RESULTS SUMMARY

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations (COMAR). Montgomery County Public Schools (MCPS) is required to remediate outlets where lead in drinking water concentrations exceed the Montgomery County Action Level (AL) of 5 parts per billion (ppb). A summary of the lead in water initial samples collected by SaLUT are presented in the table below.

Sampling Date	3/10/2020
# of Outlets Tested	102
# of Outlets \geq 5 ppb	0

NEXT STEPS

If an initial sample exceeds the AL (5 ppb), the outlet will be immediately shut-down, a follow-up sample collected, and a remedial plan of action developed for this outlet. No additional sampling or remedial actions are required for schools where all initial samples are below the AL.

HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

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There are many different sources of human exposure to lead. These include: lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass fixtures, food, cosmetics, exposure in the work place and from certain hobbies. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead-containing water this may increase to 40 to 60 percent.

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2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

**Please note that boiling the water will not reduce lead levels.*

ADDITIONAL INFORMATION

1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or brian_a_mullikin@mcpsmd.org.
2. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead.
3. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

Please refer to the attachment(s) for additional water sampling information.

Attachment(s) A – Lead in Water Sample Results Table

ATTACHMENT A

Lead in Water Sample Results Table

Sampling Results for Beverly Farms ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW04826	In classroom 238	Drinking Fountain	<1	Pass	N/A	Testing Complete
M30388	In health room 100A	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M30389	In health room 100A	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30391	In health room 100A2 by health ie. in health	Nurses Office Sink	1.3	Pass	N/A	Testing Complete
M30393	In office 100A3 by health ie. inside health	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M30394	In office 100A3 by health ie. inside health	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30395	In work room 100C by admin ie. inside admin	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30396	In work room 100C by admin ie. inside admin	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30399	In music 117 by music	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30400	In music 117 by music	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30402	In art 121 by art	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30403	In art 121 by art	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30405	In dual purpose room 104	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30406	In dual purpose room 104	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30408	In classroom 123	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30409	In classroom 123	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30411	In classroom 112	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30412	In classroom 112	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30414	In classroom 127	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30415	In classroom 127	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30417	In work room 120 by media center ie. inside 120 IMC	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30419	In classroom 116	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30420	In classroom 116	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30421	In classroom 129	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30422	In classroom 129	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30424	In classroom 133	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30425	In classroom 133	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30427	In classroom 124	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30428	In classroom 124	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

M30429	In classroom 128	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30430	In classroom 128	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30431	In classroom 135	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30432	In classroom 135	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30433	In classroom 130	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30434	In office 130	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30436	In classroom 139	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30437	In classroom 139	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30439	In classroom 141	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30440	In classroom 141	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30445	In hallway next to gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
M30446	In hallway next to gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
M30448	In classroom 145	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30449	In classroom 145	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30450	In kitchen 109B by kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M30451	In kitchen 109B by kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M30452	In kitchen 109B by kitchen ie. inside kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M30454	In kitchenette 109D by all purpose room ie. inside APR	Kitchen Sink	<1	Pass	N/A	Testing Complete
M30455	In hallway 109 next to 109 APR	Drinking Fountain	<1	Pass	N/A	Testing Complete
M30456	In hallway 109 next to 109 APR	Drinking Fountain	<1	Pass	N/A	Testing Complete
M30457	In classroom 105	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30465	In office 101	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30466	In office 101	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30467	In break room 200	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M30468	In break room 200	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30469	In classroom 201	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30470	In classroom 201	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30474	In classroom 205	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30475	In classroom 205	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30480	In classroom 213	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30481	In classroom 213	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30482	In hallway next to CR 213	Drinking Fountain	<1	Pass	N/A	Testing Complete

M30483	In hallway next to CR 213	Drinking Fountain	<1	Pass	N/A	Testing Complete
M30484	In classroom 222	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30485	In classroom 222	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30486	In classroom 217	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30487	In classroom 217	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30488	In classroom 226	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30489	In classroom 226	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30490	In classroom 221	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30491	In classroom 221	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30492	In classroom 228	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30493	In classroom 228	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30494	In classroom 223	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30495	In classroom 223	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30496	In classroom 227	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30497	In classroom 227	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30499	In classroom 238	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30500	In classroom 240	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30501	In classroom 240	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30502	In classroom 229	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30503	In classroom 229	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30504	In classroom 246	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30505	In classroom 246	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30506	In classroom 233	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30507	In classroom 233	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30508	In classroom 248	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30509	In classroom 248	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30510	In classroom 235	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30511	In classroom 235	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30512	In classroom 252	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30513	In classroom 252	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30514	In classroom 239	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30515	In classroom 239	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

M30523	In classroom 243	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30524	In classroom 243	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30525	In classroom 247	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30526	In classroom 247	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30528	In classroom 255	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M30529	In classroom 255	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M30530	In hallway 255 across from CR 255	Drinking Fountain	<1	Pass	N/A	Testing Complete
M30531	In hallway 255 across from CR 255	Drinking Fountain	<1	Pass	N/A	Testing Complete
M30535	In kitchenette 109D by all purpose room ie. inside APR	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Beverly Farms Elementary School

8501 Postoak Road

Potomac, Maryland 20854

Date of Test Report:	3/30/2018
Round of Testing:	Initial
# of Outlets Tested:	106
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	3.7

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: Beverly Farms Elementary School

8501 Postoak Road
Potomac, Maryland 20854

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 Beverly Farms Elementary School, located at 8501 Postoak Road in Potomac, Maryland 20854.

SCOPE OF SERVICES

KCI conducted lead in water testing at Beverly Farms 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 3/7/2018 and 3/8/2018 to collect samples from 106 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 3/8/2018 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 Beverly Farms Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB*)	Pass/Fail	Status
LW04826	238	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30388	100A	Health Room		Faucet	<1.0	Pass	Testing Complete
M30389	100A	Health Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30391	100A2	Health Room Health	in Health	Faucet	1.7	Pass	Testing Complete
M30392	100A2	Health Room Health	inside Health	Bubbler - Indoor	<1.0	Pass	Testing Complete
M30393	100A3	Office Health	inside Health	Faucet	1.2	Pass	Testing Complete
M30394	100A3	Office Health	inside Health	Bubbler - Indoor	<1.0	Pass	Testing Complete
M30395	100C	Work Room Admin	inside Admin	Faucet	<1.0	Pass	Testing Complete
M30396	100C	Work Room Admin	inside Admin	Bubbler - Indoor	<1.0	Pass	Testing Complete
M30399	117	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30400	117	Music		Faucet	<1.0	Pass	Testing Complete
M30401	121	Art		Faucet	<1.0	Pass	Testing Complete
M30402	121	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30403	121	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30404	121	Art		Faucet	<1.0	Pass	Testing Complete
M30405	104	Dual Purpose Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30406	104	Dual Purpose Room		Faucet	<1.0	Pass	Testing Complete
M30408	123	Classroom		Faucet	<1.0	Pass	Testing Complete
M30409	123	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30411	112	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30412	112	Classroom		Faucet	<1.0	Pass	Testing Complete
M30414	127	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30415	127	Classroom		Faucet	<1.0	Pass	Testing Complete
M30417	120	Work Room Media Center	inside 120 IMC	Faucet	<1.0	Pass	Testing Complete
M30418	120	Work Room Media Center	inside 120 IMC	Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB*)	Pass/Fail	Status
M30419	116	Classroom		Faucet	<1.0	Pass	Testing Complete
M30420	116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30421	129	Classroom		Faucet	<1.0	Pass	Testing Complete
M30422	129	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30424	133	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30425	133	Classroom		Faucet	<1.0	Pass	Testing Complete
M30427	124	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30428	124	Classroom		Faucet	<1.0	Pass	Testing Complete
M30429	128	Classroom		Faucet	<1.0	Pass	Testing Complete
M30430	128	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30431	135	Classroom		Faucet	<1.0	Pass	Testing Complete
M30432	135	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30433	130	Classroom		Faucet	3.7	Pass	Testing Complete
M30434	130	Office		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30436	139	Classroom		Faucet	<1.0	Pass	Testing Complete
M30437	139	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30439	141	Classroom		Faucet	<1.0	Pass	Testing Complete
M30440	141	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30445		Hallway	Next to Gym	Cooler	<1.0	Pass	Testing Complete
M30446		Hallway	Next to Gym	Cooler	<1.0	Pass	Testing Complete
M30448	145	Classroom		Faucet	<1.0	Pass	Testing Complete
M30449	145	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30450	109B	Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M30451	109B	Kitchen Kitchen		Faucet	<1.0	Pass	Testing Complete
M30452	109B	Kitchen Kitchen	inside Kitchen	Faucet	<1.0	Pass	Testing Complete
M30454	109D	Kitchenette All Purpose Room	inside APR	Faucet	<1.0	Pass	Testing Complete
M30455	109	Hallway	Next to 109 APR	Cooler	<1.0	Pass	Testing Complete
M30456	109	Hallway	Next to 109 APR	Cooler	<1.0	Pass	Testing Complete
M30457	105	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB*)	Pass/Fail	Status
M30465	101	Office		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30466	101	Office		Faucet	1.3	Pass	Testing Complete
M30467	200	Break Room		Faucet	<1.0	Pass	Testing Complete
M30468	200	Break Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30469	201	Classroom		Faucet	<1.0	Pass	Testing Complete
M30470	201	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30474	205	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30475	205	Classroom		Faucet	<1.0	Pass	Testing Complete
M30480	213	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30481	213	Classroom		Faucet	<1.0	Pass	Testing Complete
M30482		Hallway	Next to CR 213	Cooler	<1.0	Pass	Testing Complete
M30483		Hallway	Next to CR 213	Cooler	<1.0	Pass	Testing Complete
M30484	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30485	222	Classroom		Faucet	<1.0	Pass	Testing Complete
M30486	217	Classroom		Faucet	<1.0	Pass	Testing Complete
M30487	217	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30488	226	Classroom		Faucet	<1.0	Pass	Testing Complete
M30489	226	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30490	221	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30491	221	Classroom		Faucet	<1.0	Pass	Testing Complete
M30492	228	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30493	228	Classroom		Faucet	<1.0	Pass	Testing Complete
M30494	223	Classroom		Faucet	<1.0	Pass	Testing Complete
M30495	223	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30496	227	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30497	227	Classroom		Faucet	<1.0	Pass	Testing Complete
M30499	238	Classroom		Faucet	<1.0	Pass	Testing Complete
M30500	240	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30501	240	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB*)	Pass/Fail	Status
M30502	229	Classroom		Faucet	<1.0	Pass	Testing Complete
M30503	229	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30504	246	Classroom		Faucet	<1.0	Pass	Testing Complete
M30505	246	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30506	233	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30507	233	Classroom		Faucet	<1.0	Pass	Testing Complete
M30508	248	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30509	248	Classroom		Faucet	<1.0	Pass	Testing Complete
M30510	235	Classroom		Faucet	<1.0	Pass	Testing Complete
M30511	235	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30512	252	Classroom		Faucet	<1.0	Pass	Testing Complete
M30513	252	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30514	239	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30515	239	Classroom		Faucet	<1.0	Pass	Testing Complete
M30523	243	Classroom		Faucet	<1.0	Pass	Testing Complete
M30524	243	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30525	247	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30526	247	Classroom		Faucet	<1.0	Pass	Testing Complete
M30528	255	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M30529	255	Classroom		Faucet	<1.0	Pass	Testing Complete
M30530	255	Hallway	Across from CR 255	Cooler	<1.0	Pass	Testing Complete
M30531	255	Hallway	Across from CR 255	Cooler	<1.0	Pass	Testing Complete
M30535	109D	Kitchenette All Purpose Room	inside APR	Bubbler - Indoor	<1.0	Pass	Testing Complete

*PPB = parts per billion