

Montgomery County Public Schools Lead in Drinking Water Testing Report

East Silver Spring Elementary School
631 Silver Spring Avenue
Silver Spring, MD 20910

Report Date: July 18th, 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	3/31/23
# of Outlets Tested	39
# of Outlets \geq 5 ppb	0

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 East Silver Spring ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW00916	In hallway next to CR 4	Drinking Fountain	1.0	Pass	Testing Complete
LW00918	In classroom 4	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW00920	In classroom 8	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW00922	In classroom 10	Classroom Combination Drinking Fountain	1.5	Pass	Testing Complete
LW00925	In classroom 9	Classroom Combination Drinking Fountain	1.1	Pass	Testing Complete
LW00926	In hallway by main entrance	Drinking Fountain	<1.0	Pass	Testing Complete
LW00928	In classroom 1	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW00933	In kitchen	Kitchen Sink	<1.0	Pass	Testing Complete
LW00934	In kitchen	Kitchen Sink	<1.0	Pass	Testing Complete
LW00936	In hallway next to CR 15	Drinking Fountain	<1.0	Pass	Testing Complete
LW00939	In health room 102	Nurses Office Sink	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW00940	In health room 102	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW00942	In hallway next to room 104 art	Drinking Fountain	2.1	Pass	Testing Complete
LW00952	In classroom 12	Classroom Combination Drinking Fountain	2.4	Pass	Testing Complete
LW00953	In hallway adjacent to classroom 12	Drinking Fountain	<1.0	Pass	Testing Complete
LW00958	In kindergarten 33	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW00967	In hallway adjacent to classroom 41	Drinking Fountain	<1.0	Pass	Testing Complete
LW08451	In hallway adjacent to general office	Drinking Fountain	<1.0	Pass	Testing Complete
M08843	In hallway next to CR 109 Parent Community	Drinking Fountain	<1.0	Pass	Testing Complete
M08844	In hallway next to CR 109 Parent Community	Drinking Fountain	<1.0	Pass	Testing Complete
M08846	In Inst music 108	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M08848	In classroom 107 by music	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M08854	In classroom 25	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M08857	In classroom 24	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M08864	In hallway next to CR 30 therapy	Drinking Fountain	<1.0	Pass	Testing Complete
M08865	In hallway next to CR 30 therapy	Drinking Fountain	<1.0	Pass	Testing Complete
M08870	In break room 29	Teachers Lounge Sink	2.8	Pass	Testing Complete
M08871	In break room 29	Teachers Lounge Sink	<1.0	Pass	Testing Complete
M08875	In hallway adjacent to classroom 41	Drinking Fountain	<1.0	Pass	Testing Complete
M08877	In classroom 41	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M08883	In classroom 40	Classroom Combination Drinking Fountain	1.6	Pass	Testing Complete
M08885	In classroom 34	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M08891	In classroom 32	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M08894	In classroom 31	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M08896	In hallway across from CR 31	Drinking Fountain	<1.0	Pass	Testing Complete
M08897	In hallway adjacent to classroom 31	Drinking Fountain	<1.0	Pass	Testing Complete
M09014	In special ed 38	Classroom Combination Drinking Fountain	1.3	Pass	Testing Complete
M08861	In classroom 23	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW12735	HWF next 39	Drinking Fountain	<1.0	Pass	Testing Complete

Montgomery County Public Schools Lead in Drinking Water Testing Report

East Silver Spring Elementary School
631 Silver Spring Avenue
Silver Spring, MD 20910

Report Date: August 13th, 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	2/20/2020
# of Outlets Tested	62
# of Outlets \geq 5 ppb	3

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. Due to the Stay-at-Home Order to combat the spread of COVID-19 (coronavirus), no follow-up samples were collected. 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 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.

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 East Silver Spring Elementary School

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW00912	In classroom 6	Classroom Combination Sink	5.2	Fail	NC	Remediation Action Plan
LW00916	In hallway next to CR 4	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00917	In classroom 4	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00918	In classroom 4	Classroom Combination Drinking Fountain	1.2	Pass	N/A	Testing Complete
LW00919	In classroom 8	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00920	In classroom 8	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00921	In classroom 10	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00922	In classroom 10	Classroom Combination Drinking Fountain	2.5	Pass	N/A	Testing Complete
LW00923	In classroom 2	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00924	In classroom 9	Classroom Combination Sink	1.9	Pass	N/A	Testing Complete
LW00925	In classroom 9	Classroom Combination Drinking Fountain	1.2	Pass	N/A	Testing Complete
LW00926	In hallway by main entrance	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00927	In classroom 1	Classroom Combination Sink	7.2	Fail	NC	Remediation Action Plan
LW00928	In classroom 1	Classroom Combination Drinking Fountain	1.5	Pass	N/A	Testing Complete
LW00933	In kitchen	Kitchen Sink	1.2	Pass	N/A	Testing Complete
LW00934	In kitchen	Kitchen Sink	1.7	Pass	N/A	Testing Complete
LW00936	In hallway next to CR 15	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00938	In work room 100A	Classroom Sink	<1	Pass	N/A	Testing Complete
LW00939	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW00940	In health room 102	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00942	In hallway next to room 104 art	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00952	In classroom 12	Classroom Combination Drinking Fountain	3.7	Pass	N/A	Testing Complete
LW00953	In hallway adjacent to classroom 12	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00954	In classroom 16	Classroom Combination Sink	2.8	Pass	N/A	Testing Complete
LW00956	In classroom 31	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00958	In kindergarten 33	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW00959	In classroom 19	Classroom Combination Sink	1.7	Pass	N/A	Testing Complete
LW00961	In classroom 20	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW00963	In classroom 22	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW00964	In classroom 22	Classroom Combination Drinking Fountain	1.2	Pass	N/A	Testing Complete
LW00965	In classroom 21	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW00967	In hallway adjacent to classroom 41	Drinking Fountain	<1	Pass	N/A	Testing Complete

M08843	In hallway next to CR 109 Parent Community	Drinking Fountain	<1	Pass	N/A	Testing Complete
M08844	In hallway next to CR 109 Parent Community	Drinking Fountain	<1	Pass	N/A	Testing Complete
M08845	In Inst music 108	Classroom Combination Sink	7.4	Fail	NC	Remediation Action Plan
M08846	In Inst music 108	Classroom Combination Drinking Fountain	4.6	Pass	N/A	Testing Complete
M08847	In classroom 107 by music	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M08848	In classroom 107 by music	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M08853	In classroom 25	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M08854	In classroom 25	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M08856	In classroom 24	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M08857	In classroom 24	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M08861	In classroom 23	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M08864	In hallway next to CR 30 therapy	Drinking Fountain	<1	Pass	N/A	Testing Complete
M08865	In hallway next to CR 30 therapy	Drinking Fountain	<1	Pass	N/A	Testing Complete
M08870	In break room 29	Teachers Lounge Sink	1.4	Pass	N/A	Testing Complete
M08871	In break room 29	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M08875	In hallway adjacent to classroom 41	Drinking Fountain	<1	Pass	N/A	Testing Complete
M08876	In classroom 41	Classroom Combination Sink	3.0	Pass	N/A	Testing Complete
M08877	In classroom 41	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M08882	In classroom 40	Classroom Combination Sink	1.9	Pass	N/A	Testing Complete
M08883	In classroom 40	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M08884	In classroom 34	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
M08885	In classroom 34	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M08890	In classroom 32	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M08891	In classroom 32	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M08894	In classroom 31	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M08896	In hallway across from CR 31	Drinking Fountain	<1	Pass	N/A	Testing Complete
M08897	In hallway adjacent to classroom 31	Drinking Fountain	<1	Pass	N/A	Testing Complete
M09013	In special ed 38	Classroom Combination Sink	1.9	Pass	N/A	Testing Complete
M09014	In special ed 38	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08451	In hallway adjacent to general office	Drinking Fountain	<1	Pass	N/A	Testing Complete

NC - Not Collected (No follow-up sample collected due to COVID-19 (Coronavirus) Stay-at-Home Order.)



Montgomery County Public Schools Lead in Drinking Water Post-Remediation Follow-Up Testing 2019

October 30, 2019

Executive Summary:

East Silver Spring Elementary School

631 Silver Spring Avenue

Silver Spring, Maryland 20910

Round of Testing:	Post-Remediation Follow-up
Sample Date	2/1/2019
# of Outlets Tested:	2
# of Outlets \geq 5 ppb:	1
Low Value (ppb):	1.5
High Value (ppb):	27.5

Project Status

Testing Complete: Post-remediation follow-up testing completed for following rooms:

Media Center - Outlet (LW00935) will be removed from service
Inst Music 108 - Outlet (M08846) will be placed back into service



October 30, 2019

Mr. Brian Mullikin, MS
Environmental Team Leader
Montgomery County Public Schools
8301 Turkey Thicket Dr., Bldg A, 1st Floor
Gaithersburg, Maryland 20879

Re: Lead in Water Post-Remediation Follow-up Testing Service

Location: East Silver Spring Elementary School

631 Silver Spring Avenue
Silver Spring, Maryland 20910

Dear Mr. Mullikin:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of the post-remediation follow-up lead in water testing at East Silver Spring Elementary School, located at 631 Silver Spring Avenue in Silver Spring, Maryland 20910.

SCOPE OF SERVICES

Two drinking water outlets were remediated at East Silver Spring Elementary School due to initial lead levels that exceeded the lead action level of 5 parts per billion (ppb). KCI Technologies, Inc. conducted lead in water post-remediation follow-up testing in accordance with the Maryland Code of Regulations (COMAR) 26.16.07 - Lead in Drinking Water - Public and Nonpublic Schools.

KCI Technologies, Inc. visited the site on 2/1/2019 to collect post-remediation follow-up samples from 2 drinking water outlets that had been replaced. 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

The initial, flush, and post-remediation follow-up results are highlighted in the summary table below:

Barcode ID	Room Number	Location	Notes	Equipment Type	Initial (ppb)	Flush (ppb)	Post-Remediation Follow-up (ppb)	Post-Remediation Follow-up Pass/Fail	Status
LW00935		Media Center		Faucet	49.8	ND	27.5	Fail	Post-remediation follow-up testing complete. Outlet will be removed from service
M08846	108	Inst Music		Bubbler - Indoor	27.7	2.1	1.5	Pass	Post-remediation follow-up testing complete. Outlet will be placed back into service

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. The Environmental Protection Agency (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.

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
KCI Job #1214634186



MONTGOMERY COUNTY PUBLIC SCHOOLS DRINKING WATER TESTING 2018

April 24, 2018

Executive Summary:
East Silver Spring Elementary School
631 Silver Spring Avenue
Silver Spring, MD 20910

Round of Testing:	Initial
# of Outlets Tested:	79
# of Outlets \geq 20 ppb:	2
Low Value (ppb):	< 1.0
High Value (ppb):	49.8
Follow-Up Testing Required (Samples \geq 20 ppb):	Media Center (49.8 ppb) Instrument Room (27.7 ppb)

Round of Testing:	Follow-Up – 30 sec draw
# of Outlets Tested:	2

Project Status
Testing Complete: Remediation Plan

Media Center – Replace fixture (LW00935), in addition to supply line and valve located under sink
Instrument Room – Replace fixture (M08846), in addition to supply line and valve located under sink



April 24, 2018

Mr. Brian Mullikin
Environmental Team Leader
Montgomery County Public Schools
8301 Turkey Thicket Drive
Building A, First Floor
Gaithersburg, Maryland 20879

Re: Lead in Water Testing Service

Location: East Silver Spring Elementary School
631 Silver Spring Avenue
Silver Spring, MD 20910

Dear Mr. Mullikin:

Professional Services Industries (PSI), Inc. is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of initial lead in water testing at East Silver Spring Elementary School, located at 631 Silver Spring Avenue in Silver Spring, MD 20910.

Scope of Services:

PSI conducted lead in water testing at East Silver Spring 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.

PSI visited the site on 02/14/18 and 02/15/18 to collect samples from 79 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. Two 30 second follow-up samples were collected on 4/11/18.

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 were two results of the initial lead in water analysis at or above 20 parts per billion (ppb) and subsequent follow up 30 second results are highlighted in the summary table below:



Barcode ID	Sample Location	Date Collected	Initial Sample Result (ppb)	Date Collected	30 Second Follow Up Sample Result (ppb)
LW00935	Instrument Room	2/15/2018	49.8	4/11/18	Non Detect
M08846	Media Center	2/15/2018	27.7	4/11/18	2.1

The initial lead in water sample results (01/31/18) and 30 second follow up results (4/11/18) 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,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Nand Kaushik, P.E.
Department Manager, Environmental Services
Nand.Kaushik@psiusa.com

Attachments: A – Initial Lead in Water Test Summary Table

ATTACHMENT A

East Silver Spring ES Water Test Summary Table

Contractor: Professional Services Industries, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Initial Sample Results for East Silver Spring Elementary School (2/15/18)

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW00910	5	Classroom		Faucet	16.5	Pass	Testing Complete
LW00911	5	Classroom		Bubbler - Indoor	7.7	Pass	Testing Complete
LW00914	7	Classroom		Faucet	8.0	Pass	Testing Complete
LW00916		Hallway	Next To CR 4	Cooler	<1.0	Pass	Testing Complete
LW00917	4	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00918	4	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00919	8	Classroom		Faucet	1.8	Pass	Testing Complete
LW00920	8	Classroom		Bubbler - Indoor	1.6	Pass	Testing Complete
LW00921	10	Classroom		Faucet	1.6	Pass	Testing Complete
LW00923	2	Classroom		Faucet	2.1	Pass	Testing Complete
LW00924	9	Classroom		Faucet	2.1	Pass	Testing Complete
LW00925	9	Classroom		Bubbler - Indoor	2.1	Pass	Testing Complete
LW00926		Hallway	By Main Entrance	Cooler	1.0	Pass	Testing Complete
LW00927	1	Classroom		Faucet	2.2	Pass	Testing Complete
LW00928	1	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
LW00929	3	Classroom		Faucet	7.3	Pass	Testing Complete
LW00930	3	Classroom		Bubbler - Indoor	2.5	Pass	Testing Complete
LW00931	103	Support Room		Faucet	4.5	Pass	Testing Complete
LW00932	103	Support Room		Faucet	9.5	Pass	Testing Complete
LW00933		Kitchen		Faucet	3.4	Pass	Testing Complete
LW00934		Kitchen		Faucet	1.1	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW00935		Media Center		Faucet	49.8	Fail	Follow-Up Testing Needed
LW00936		Hallway	Next To CR 15	Cooler	<1.0	Pass	Testing Complete
LW00937	2	Classroom		Bubbler - Indoor	4.5	Pass	Testing Complete
LW00938	100A	Work Room		Faucet	<1.0	Pass	Testing Complete
LW00939	102	Health Room		Faucet	1.1	Pass	Testing Complete
LW00940	102	Health Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00941	102B	Health Room		Faucet	10.8	Pass	Testing Complete
LW00942		Hallway	Next To CR 104	Cooler	1.3	Pass	Testing Complete
LW00943	14	Classroom		Faucet	9.1	Pass	Testing Complete
LW00945	18	Classroom		Faucet	11.4	Pass	Testing Complete
LW00947	17	Classroom		Faucet	14.2	Pass	Testing Complete
LW00948	17	Classroom		Bubbler - Indoor	5.5	Pass	Testing Complete
LW00949	13	Classroom		Faucet	16.8	Pass	Testing Complete
LW00950	13	Classroom		Bubbler - Indoor	8.4	Pass	Testing Complete
LW00951	12	Classroom		Faucet	11.3	Pass	Testing Complete
LW00952	12	Classroom		Bubbler - Indoor	2.8	Pass	Testing Complete
LW00953		Hallway	Next To CR 12	Cooler	3.0	Pass	Testing Complete
LW00954	16	Classroom		Faucet	2.7	Pass	Testing Complete
LW00956	31	Classroom		Faucet	2.6	Pass	Testing Complete
LW00957	33	Kindergarten		Faucet	5.6	Pass	Testing Complete
LW00958	33	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00959	19	Classroom		Faucet	2.9	Pass	Testing Complete
LW00961	20	Classroom		Faucet	3.7	Pass	Testing Complete
LW00962	20	Classroom		Bubbler - Indoor	12.3	Pass	Testing Complete
LW00963	22	Classroom		Faucet	<1.0	Pass	Testing Complete
LW00964	22	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
LW00965	21	Classroom		Faucet	1.6	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW00967		Classroom	Next To CR 41	Cooler	<1.0	Pass	Testing Complete
M08843		Hallway	Next to CR 109 Parent Community	Cooler	<1.0	Pass	Testing Complete
M08844		Hallway	Next to CR 109 Parent Community	Cooler	<1.0	Pass	Testing Complete
M08845	108	Inst Music		Faucet	4.2	Pass	Testing Complete
M08846	108	Inst Music		Bubbler - Indoor	27.7	Fail	Follow-Up Testing Needed
M08847	107	Classroom Music		Faucet	1.3	Pass	Testing Complete
M08848	107	Classroom Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08853	25	Classroom		Faucet	1.4	Pass	Testing Complete
M08854	25	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08856	24	Classroom		Faucet	<1.0	Pass	Testing Complete
M08857	24	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08861	23	Classroom		Faucet	<1.0	Pass	Testing Complete
M08862	23	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08864		Hallway	Next to CR 30 Therapy	Cooler	<1.0	Pass	Testing Complete
M08865		Hallway	Next to CR 30 Therapy	Cooler	<1.0	Pass	Testing Complete
M08870	29	Break Room		Faucet	2.2	Pass	Testing Complete
M08871	29	Break Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08875		Hallway	Next to CR 41	Cooler	<1.0	Pass	Testing Complete
M08876	41	Classroom		Faucet	2.4	Pass	Testing Complete
M08877	41	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08882	40	Classroom		Faucet	4.3	Pass	Testing Complete
M08883	40	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08884	34	Classroom		Faucet	2.3	Pass	Testing Complete
M08885	34	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08890	32	Classroom		Faucet	<1.0	Pass	Testing Complete
M08891	32	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M08894	31	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
M08896		Hallway	Across from CR 31	Cooler	<1.0	Pass	Testing Complete
M08897		Classroom	Across from CR 31	Cooler	<1.0	Pass	Testing Complete
M09013	38	Special Ed		Faucet	3.6	Pass	Testing Complete
M09014	38	Special Ed		Bubbler - Indoor	<1.0	Pass	Testing Complete

*ppb = parts per billion

Contractor: Professional Services Industries, Inc.
Certified Laboratory: Microbac Laboratories, Inc.

Follow Up Sample Results for East Silver Spring Elementary School (4/11/18)

Barcode ID	Room Number	Location	Equipment Type	Initial draw (2 nd) (PPB)	Initial draw (3 rd) (PPB)	30 Second Draw (PPB)	Status
LW00935	-	Instrument Room	Bubbler - Indoor	27.7	2.0	ND	Remediation required – replace fixture, in addition to supply line and valve located under sink
M08846	-	Media Center	Faucet	49.8	27.6	2.1	Remediation required – replace fixture, in addition to supply line and valve located under sink

*ppb = parts per billion
ND = Non Detect

Note: Fixture(s) with elevated test results were immediately removed from service. Subsequent 2nd and 3rd round testing was performed on these fixture(s) for further diagnostics for remediation. Because the fixture was shut off after the first test, the subsequent test results may not be representative of an in-use fixture because of stagnant water in the supply line and the operation of shut off valves prior to the tests. All fixtures with elevated test results are to be remediated. After remediation, post remediation testing will be conducted before the fixture is returned to service.