Montgomery County Public Schools
Lead in Drinking Water Testing Report

JoAnn Leleck Elementary School
(Fairland Center)
13313 Old Columbia Pike
Silver Spring, MD 20904

Report Date: April 30, 2025

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 KCI Technologies, Inc. is presented in the table below.

Sampling Date	3/26/2025
# of Outlets Tested	8
# of Outlets ≥ 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 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 JoAnn Leleck ES (Fairland Center)

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW08133	In Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW08134	In Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW13771	In Kitchen	Faucet, Cold	3.1	Pass	Testing Complete
LW13772	In Hallway Across From 122	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW13773	In Hallway Across From 122	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13774	In Hallway Next To 140	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW13775	In Hallway Next To 140	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13776	In Nurse’s Office 106	Faucet, Cold	<1.0	Pass	Testing Complete

Montgomery County Public Schools
Lead in Drinking Water Testing Report

JoAnn Leleck Elementary School
710 Beacon Road
Silver Spring, MD 20903

Report Date: July 25th, 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	5/11/23
# of Outlets Tested	32
# of Outlets ≥ 5 ppb	3

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 forlead.

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 JoAnn Leleck ES

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW07180	In hallway In front of room 112a	Drinking Fountain	<1.0	Pass	Testing Complete
LW07189	In classroom 104	Classroom Combination Drinking Fountain	1.0	Pass	Testing Complete
LW07191	In classroom 102	Classroom Combination Drinking Fountain	1.1	Pass	Testing Complete
LW07192	In hallway In front of 404	Drinking Fountain	<1.0	Pass	Testing Complete
LW08736	In hallway In front of room 112a	Drinking Fountain	<1.0	Pass	Testing Complete
LW08738	In classroom 114	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW08740	In classroom 116	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW08744	In classroom 109	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW08746	In classroom 111	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW08750	In classroom 115	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW08756	In classroom 414	Classroom Combination Drinking Fountain	1.3	Pass	Testing Complete
LW08759	In break room 208	Teachers Lounge Sink	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW08760	In classroom 203	Classroom Combination Drinking Fountain	1.0	Pass	Testing Complete
LW08763	In kindergarten 417	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW08771	In health room	Nurses Office Sink	<1.0	Pass	Testing Complete
LW08773	In health room	Nurses Office Sink	<1.0	Pass	Testing Complete
LW08780	In classroom 331	Classroom Combination Drinking Fountain	1.6	Pass	Testing Complete
LW08783	In hallway next to 317	Drinking Fountain	<1.0	Pass	Testing Complete
LW08790	In hallway In front of gym	Drinking Fountain	<1.0	Pass	Testing Complete
LW08791	In hallway In front of gym	Drinking Fountain	<1.0	Pass	Testing Complete
LW08792	In kitchen 220	Kitchen Sink	<1.0	Pass	Testing Complete
LW08793	In kitchen 220	Kitchen Sink	<1.0	Pass	Testing Complete
LW08794	In kitchen 220	Kitchen Sink	<1.0	Pass	Testing Complete
LW08795	In kitchen 220	Kitchen Sink	<1.0	Pass	Testing Complete
LW08816	In classroom 303	Classroom Combination Drinking Fountain	16.3	Fail	Remediation Action Plan
LW08818	In health room	Nurses Office Sink	3.7	Pass	Testing Complete
LW08851	In classroom 300	Classroom Combination Drinking Fountain	5.3	Fail	Remediation Action Plan
LW08758	In classroom 410	Classroom Combination Drinking Fountain	2.4	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW08772	In nurse office	Nurses Office Sink	4.1	Pass	Testing Complete
LW08775	In classroom 335	Classroom Combination Drinking Fountain	7.9	Fail	Remediation Action Plan
LW12971	In hallway outside of gym	Drinking Fountain	<1.0	Pass	Testing Complete
LW12972	In hallway in front of room 112a	Drinking Fountain	<1.0	Pass	Testing Complete

Montgomery County Public Schools
Lead in Drinking Water Testing Report

JoAnn Leleck Elementary School
710 Beacon Road
Silver Spring, MD 20903

Report Date: March 30th, 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	75
# of Outlets ≥ 5 ppb	2

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 JoAnn Leleck ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW07173	In art 406	Classroom Combination Drinking Fountain	1.5	Pass	N/A	Testing Complete
LW07176	In Preschool 411	Classroom Combination Drinking Fountain	1.7	Pass	N/A	Testing Complete
LW07177	In office 110 by media center	Classroom Sink	1.2	Pass	N/A	Testing Complete
LW07180	In hallway In front of room 112a	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07186	In work room 101	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07187	In administration 100	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07188	In classroom 104	Classroom Combination Sink	1.5	Pass	N/A	Testing Complete
LW07189	In classroom 104	Classroom Combination Drinking Fountain	4.3	Pass	N/A	Testing Complete
LW07190	In classroom 102	Classroom Combination Sink	1.0	Pass	N/A	Testing Complete
LW07191	In classroom 102	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07192	In hallway In front of 404	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08736	In hallway In front of room 112a	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08737	In classroom 114	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08738	In classroom 114	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08739	In classroom 116	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08740	In classroom 116	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08741	In classroom 107	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08742	In classroom 107	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08743	In classroom 109	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08746	In classroom 111	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08747	In classroom 113	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
LW08748	In classroom 113	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08749	In classroom 115	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08750	In classroom 115	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08751	In classroom 418	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08752	In classroom 418	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08753	In classroom 416	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW08754	In classroom 416	Classroom Combination Drinking Fountain	3.5	Pass	N/A	Testing Complete
LW08755	In classroom 414	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW08756	In classroom 414	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08757	In classroom 410	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08759	In break room 208	Teachers Lounge Sink	2.1	Pass	N/A	Testing Complete
LW08760	In classroom 203	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08761	In classroom 205	Classroom Combination Sink	14.8	Fail	NC	Remediation Action Plan
LW08762	In kindergarten 417	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08763	In kindergarten 417	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08764	In classroom 415 by math	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08765	In classroom 415	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08766	In classroom 412	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08767	In classroom 412	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08768	In classroom 408	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08771	In health room	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW08773	In health room	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW08774	In classroom 203	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
LW08776	In classroom 335	Classroom Combination Sink	3.3	Pass	N/A	Testing Complete
LW08778	In classroom 333	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08779	In classroom 331	Classroom Combination Sink	2.4	Pass	N/A	Testing Complete
LW08780	In classroom 331	Classroom Combination Drinking Fountain	1.8	Pass	N/A	Testing Complete
LW08783	In hallway next to 317	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08784	In hallway next to 317	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08790	In hallway In front of gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08791	In hallway In front of gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08792	In kitchen 220	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08793	In kitchen 220	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08794	In kitchen 220	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08795	In kitchen 220	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08796	In classroom 330	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW08798	In classroom 328	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08799	In classroom 326	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
LW08815	In classroom 303	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08816	In classroom 303	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08818	In health room	Nurses Office Sink	2.7	Pass	N/A	Testing Complete
LW08819	In health room	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW08840	In classroom 322	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08842	In classroom 318	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08844	In classroom 316	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08846	In classroom 304	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08847	In classroom 304	Classroom Combination Drinking Fountain	2.1	Pass	N/A	Testing Complete
LW08850	In classroom 300	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08851	In classroom 300	Classroom Combination Drinking Fountain	11.1	Fail	NC	Remediation Action Plan
LW08852	In classroom 301	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08744	In classroom 109	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M27876	In classroom 314	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M27883	In classroom 210	Classroom Combination Sink	<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

November 13, 2019

Executive Summary:
JoAnn Leleck Elementary School at Broad Acres
710 Beacon Road,
Silver Spring, MD 20903

Round of Testing:	**Post-Remediation Follow-up**
Sample Date	02/01/2019
# of Outlets Tested:	5
# of Outlets ≥ 5 ppb:	1
Low Value (ppb):	<1.0
High Value (ppb):	6.6

Project Status

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

Art 406 – Outlet (LW07173) will be placed back in service.
Classroom 304 - Outlet (LW08847) will be placed back in service.
Classroom 304 - Outlet (LW08846) will be placed back in service.
Classroom 309 – Outlet (LW08787) will have signage affixed.
Kitchen 220 – Outlet (08793) will be placed back in service.

November 13, 2019

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 Post-Remediation Follow-up Testing Service

Location: JoAnn Leleck Elementary School at Broad Acres
710 Beacon Road,
Silver Spring, MD 20903

Dear Mr. Mullikin:

Intertek-PSI, Inc. is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of post-remediation lead in water testing at JoAnn Leleck Elementary School at Broad Acres, located at 710 Beacon Road, Silver Spring, MD 20903.

Scope of Services:

Five (5) drinking water outlets were remediated at JoAnn Leleck Elementary School at Broad Acres due to initial levels that exceeded the lead action level of 5 parts per billion (ppb). Intertek-PSI 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.

Intertek-PSI visited the site on 02/01/2019 to collect post-remediation follow-up samples from 5 of the outlets that have 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
LW07173	406	Art		Bubbler - Indoor	27.9	<1.0	2.0	Pass	Post-remediation follow-up testing complete. Outlet will be placed back in service
LW08847	304	Classroom		Bubbler - Indoor	37.2	3.2	2.9	Pass	Post-remediation follow-up testing complete. Outlet will be placed back in service
LW08846	304	Classroom		Faucet	85.7	<1.0	3.5	Pass	Post-remediation follow-up testing complete. Outlet will be placed back in service
LW08787	309	Classroom		Faucet	20.9	<1.0	6.6	Fail	Post-remediation follow-up testing complete. Outlet will have signage affixed
LW08793	220	Kitchen		Faucet	22.3	<1.0	<1.0	Pass	Post-remediation follow-up testing complete. Outlet will be placed back in service

*ppb = parts per billion

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.

Nan Lin
Department Manager, Environmental Services
Nan.Lin@intertek.com

MONTGOMERY COUNTY PUBLIC SCHOOLS DRINKING WATER TESTING 2018

May 25, 2018

Executive Summary:
JoAnn Leleck Elementary School at Broad Acres
710 Beacon Road
Silver Spring, MD 20903

Round of Testing:	Initial
# of Outlets Tested:	95
# of Outlets ≥ 20 ppb:	5
Low Value (ppb):	< 1.0
High Value (ppb):	85.7
Follow-Up Testing Required (Samples ≥ 20 ppb):	Room 406 (27.9 ppb) Room 309 (20.9 ppb) Room 220 (22.3 ppb) Room 304 (85.7 ppb) Room 304 (37.2 ppb)

Round of Testing:	Follow-Up – 30 sec draw
# of Outlets Tested:	5

Project Status
Testing Complete: Remediation Plan

Art Room 406– Replace fixture (LW07173), in addition to supply line and valve located under sink
Classroom 309– Replace fixture (LW08787), in addition to supply line and valve located under sink
Kitchen– Replace fixture (LW08793), in addition to supply line and valve located under sink
Classroom 304– Replace fixture (LW08846), in addition to supply line and valve located under sink
Classroom 304– Replace fixture (LW08847), in addition to supply line and valve located under sink

May 25, 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: JoAnn Leleck Elementary School at Broad Acres
710 Beacon Road
Silver Spring, MD 20903

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 JoAnn Leleck Elementary School at Broad Acres, located at 710 Beacon Road in Silver Spring, MD 20903.

Scope of Services:

PSI conducted lead in water testing at JoAnn Leleck Elementary School at Broad Acres 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 4/3/18 and 4/4/18 to collect samples from 95 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. Five 30 second follow-up samples were collected on 5/8/18.

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 five 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)
LW07173	Art Room	4/4/18	27.9	5/8/18	<1.0
LW08787	Classroom	4/4/18	20.9	5/8/18	<1.0
LW08793	Kitchen	4/4/18	22.3	5/8/18	<1.0
LW08846	Classroom	4/4/18	85.7	5/8/18	<1.0
LW08847	Classroom	4/4/18	37.2	5/8/18	3.2

The initial lead in water sample results (4/4/2018) and 30 second follow up results (5/8/18) 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.

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Attachments: A – Lead in Water Test Summary Table

ATTACHMENT A

JoAnn Leleck ES at Broad Acres Water Test Summary Table

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

Initial Sample Results for JoAnn Leleck Elementary SChool at Broad Acres (4/4/18)

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW07168	404	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07169	406	Art		Faucet	1.7	Pass	Testing Complete
LW07170	406	Art		Faucet	1.1	Pass	Testing Complete
LW07171	406	Art		Faucet	3.6	Pass	Testing Complete
LW07173	406	Art		Bubbler - Indoor	27.9	Fail	Follow-Up Testing Needed
LW07175	411	Preschool		Faucet	8.1	Pass	Testing Complete
LW07176	411	Preschool		Bubbler - Indoor	3.5	Pass	Testing Complete
LW07177	110	Office Media Center		Faucet	2.3	Pass	Testing Complete
LW07178	112B	Media Center		Faucet	5.5	Pass	Testing Complete
LW07180		Hallway	In Front of Room 112A	Cooler	<1.0	Pass	Testing Complete
LW07186	101	Work Room		Faucet	<1.0	Pass	Testing Complete
LW07187	100	Administration		Faucet	<1.0	Pass	Testing Complete
LW07188	104	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07189	104	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07190	102	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07191	102	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW07192		Hallway	In Front of 404	Cooler	<1.0	Pass	Testing Complete
LW07193	404	Classroom		Faucet	8.6	Pass	Testing Complete
LW08736		Hallway	In Front of Room 112A	Cooler	<1.0	Pass	Testing Complete
LW08737	114	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08738	114	Classroom		Bubbler - Indoor	2.7	Pass	Testing Complete
LW08739	116	Classroom		Faucet	4.1	Pass	Testing Complete
LW08740	116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08741	107	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08742	107	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08743	109	Classroom		Faucet	2.5	Pass	Testing Complete
LW08745	111	Classroom		Faucet	14.4	Pass	Testing Complete
LW08746	111	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08747	113	Classroom		Faucet	1.8	Pass	Testing Complete
LW08748	113	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08749	115	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW08750	115	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08751	418	Classroom		Faucet	1.2	Pass	Testing Complete
LW08752	418	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08753	416	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08754	416	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08755	414	Classroom		Faucet	3.9	Pass	Testing Complete
LW08756	414	Classroom		Bubbler - Indoor	2.0	Pass	Testing Complete
LW08757	410	Classroom		Faucet	2.0	Pass	Testing Complete
LW08758	410	Classroom		Bubbler - Indoor	7.3	Pass	Testing Complete
LW08759	208	Break Room		Faucet	1.1	Pass	Testing Complete
LW08761	205	Classroom		Faucet	4.7	Pass	Testing Complete
LW08762	417	Kindergarten		Faucet	1.0	Pass	Testing Complete
LW08763	417	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08764	415	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08765	415	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08766	412	Classroom		Faucet	1.2	Pass	Testing Complete
LW08767	412	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW08768	408	Classroom		Faucet	1.4	Pass	Testing Complete
LW08771		Health Room		Faucet	<1.0	Pass	Testing Complete
LW08772		Health Room		Faucet	9.1	Pass	Testing Complete
LW08773		Health Room		Faucet	<1.0	Pass	Testing Complete
LW08774	203	Classroom		Faucet	2.3	Pass	Testing Complete
LW08775	207	Classroom		Faucet	16.5	Pass	Testing Complete
LW08776	335	Classroom		Faucet	3.4	Pass	Testing Complete
LW08777	335	Classroom		Bubbler - Indoor	7.5	Pass	Testing Complete
LW08778	333	Classroom		Faucet	1.6	Pass	Testing Complete
LW08779	331	Classroom		Faucet	2.7	Pass	Testing Complete
LW08780	331	Classroom		Bubbler - Indoor	3.0	Pass	Testing Complete
LW08781	329	Resource Center		Faucet	9.6	Pass	Testing Complete
LW08783		Hallway	Next to 317	Cooler	<1.0	Pass	Testing Complete
LW08784		Hallway	Next to 317	Cooler	<1.0	Pass	Testing Complete
LW08785	311	Art		Faucet	2.5	Pass	Testing Complete
LW08787	309	Classroom		Faucet	20.9	Fail	Follow-Up Testing Needed
LW08788	210	Classroom		Bubbler - Indoor	8.3	Pass	Testing Complete
LW08789	212	Classroom		Faucet	11.4	Pass	Testing Complete
LW08790		Hallway	In Front of Gym	Cooler	<1.0	Pass	Testing Complete
LW08791		Hallway	In Front of Gym	Cooler	<1.0	Pass	Testing Complete
LW08792	220	Kitchen		Faucet	1.6	Pass	Testing Complete
LW08793	220	Kitchen		Faucet	22.3	Fail	Follow-Up Testing Needed
LW08794	220	Kitchen		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW08795	220	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08796	330	Classroom		Faucet	2.9	Pass	Testing Complete
LW08798	328	Classroom		Faucet	2.3	Pass	Testing Complete
LW08799	326	Classroom		Faucet	2.1	Pass	Testing Complete
LW08814	305	Classroom		Faucet	6.8	Pass	Testing Complete
LW08815	303	Classroom		Faucet	2.4	Pass	Testing Complete
LW08817	301	Classroom		Bubbler - Indoor	4.9	Pass	Testing Complete
LW08818		Health Room		Faucet	4.3	Pass	Testing Complete
LW08819		Health Room		Faucet	<1.0	Pass	Testing Complete
LW08840	322	Classroom		Faucet	4.9	Pass	Testing Complete
LW08842	318	Classroom		Faucet	2.0	Pass	Testing Complete
LW08843	318	Classroom		Bubbler - Indoor	9.1	Pass	Testing Complete
LW08844	316	Classroom		Faucet	3.4	Pass	Testing Complete
LW08846	304	Classroom		Faucet	85.7	Fail	Follow-Up Testing Needed
LW08847	304	Classroom		Bubbler - Indoor	37.2	Fail	Follow-Up Testing Needed
LW08848	302	Classroom		Faucet	12.0	Pass	Testing Complete
LW08850	300	Classroom		Faucet	4.5	Pass	Testing Complete
LW08851	300	Classroom		Bubbler - Indoor	2.2	Pass	Testing Complete
LWO8744	109	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M27871	309	Classroom		Bubbler - Indoor	13.9	Pass	Testing Complete
M27876	314	Classroom		Faucet	3.1	Pass	Testing Complete
M27879	328	Classroom		Bubbler - Indoor	13.2	Pass	Testing Complete
M27882	333	Classroom		Bubbler - Indoor	2.6	Pass	Testing Complete

*ppb = parts per billion

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

Follow Up Sample Results for JoAnn Leleck Elementary School at Broad Acres (5/8/18)

Barcode ID	Room Number	Location	Equipment Type	Initial draw (2nd) (PPB)	30 Second Draw (PPB)	Status
LW07173	406	Art Room	Bubbler- Indoor	8.2	<1.0	Remediation required – replace fixture, in addition to supply line and valve located under sink
LW08787	309	Classroom	Faucet	2.7	<1.0	Remediation required – replace fixture, in addition to supply line and valve located under sink
LW08793	220	Kitchen	Faucet	1.0	<1.0	Remediation required – replace fixture, in addition to supply line and valve located under sink
LW08846	304	Classroom	Faucet	7.0	<1.0	Remediation required – replace fixture, in addition to supply line and valve located under sink
LW08847	304	Classroom	Bubbler- Indoor	6.4	3.2	Remediation required – replace fixture, in addition to supply line and valve located under sink

*ppb = parts per billion

Note: Fixture(s) with elevated test results were immediately removed from service. Subsequent 2nd 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.