Montgomery County Public Schools
Lead in Drinking Water Testing Report

Travilah Elementary School
13801 Dufief Mill Rd.
North Potomac, MD 20878

Report Date: November 26, 2024

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	10/22/2024
# of Outlets Tested	40
# of Outlets ≥ 5 ppb	4

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 Travilah ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW01339	In Classroom 125	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW01341	In Kitchen	Faucet, Cold	2.3	Pass	Testing Complete
LW01342	In Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW01343	In Kitchen	Faucet, Cold	1.7	Pass	Testing Complete
LW01346	In Classroom 120	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW01348	In Classroom 122	Combination Sink - Fountain - Bubbler	1.1	Pass	Testing Complete
LW01349	In Hallway, Next to Room 126	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW01351	In Classroom 134	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW01355	In Classroom 139	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW01357	In Classroom 145	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW01359	In Classroom 151	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW01360	In Hallway Across from Room 147	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW01361	In Hallway Across from Room 147	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW01363	In Classroom 152	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW01364	In Classroom 160	Combination Sink - Faucet, Cold	6.0	Fail	Remediation Action Plan
LW01365	In Classroom 160	Combination Sink - Fountain - Bubbler	3.4	Pass	Testing Complete
LW02187	In Classroom 155	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW02189	In Classroom 156	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW02191	In Classroom 167	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW02193	In Classroom 169	Combination Sink - Fountain - Bubbler	1.8	Pass	Testing Complete
LW02195	In Classroom 171	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW02197	In Classroom 183	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW07182	In Classroom 178	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW07183	In Health Room 102	Faucet, Cold	<1.0	Pass	Testing Complete
LW07210	In Classroom 121	Faucet, Cold	<1.0	Pass	Testing Complete
LW07212	In Classroom 123	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW07217	In Classroom 141	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW07219	In Classroom 147	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW07220	In Classroom 162	Combination Sink - Faucet, Cold	4.4	Pass	Testing Complete
LW07221	In Classroom 162	Combination Sink - Fountain - Bubbler	7.5	Fail	Remediation Action Plan

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW07222	In Room 114 Break Room	Faucet, Cold	<1.0	Pass	Testing Complete
LW07226	In Classroom 185	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW07227	In Work Room 106	Faucet, Cold	6.3	Fail	Remediation Action Plan
LW07228	In Hallway Outside Room 179	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW10089	In Hallway Next to Gym	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW10090	In Hallway Next to Media Center	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW13710	In Hallway Outside Room 179	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
M14671	In Classroom 109	Faucet, Cold	10.1	Fail	Remediation Action Plan
M14672	In Hallway Next to Media Center	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
M14701	In Hallway Next to Gym	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete

Montgomery County Public Schools
Lead in Drinking Water Testing Report

Travilah Elementary School
13801 DuFief Mill Road
North Potomac, MD 20878

Report Date: March 28th, 2022

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	12/09/2021
# of Outlets Tested	65
# of Outlets ≥ 5 ppb	17

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.

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 Travilah ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW01339	In classroom 125	Classroom Combination Drinking Fountain	1.5	Pass	N/A	Testing Complete
LW01341	In kitchen 113	Kitchen Sink	1.8	Pass	N/A	Testing Complete
LW01342	In kitchen 113	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW01343	In kitchen 113	Kitchen Sink	1.6	Pass	N/A	Testing Complete
LW01345	In classroom 120	Classroom Combination Sink	34.6	Fail	10.1	Testing Complete
LW01346	In classroom 120	Classroom Combination Drinking Fountain	10.9	Fail	1.5	Testing Complete
LW01347	In classroom 122	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01348	In classroom 122	Classroom Combination Drinking Fountain	1.6	Pass	N/A	Testing Complete
LW01349	In hallway right of room 126	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01350	In classroom 134	Classroom Combination Sink	8.5	Fail	<1	Testing Complete
LW01351	In classroom 134	Classroom Combination Drinking Fountain	1.1	Pass	N/A	Testing Complete
LW01352	In classroom 127	Classroom Combination Sink	7.1	Fail	<1	Testing Complete
LW01353	In classroom 127	Classroom Combination Drinking Fountain	1.4	Pass	N/A	Testing Complete
LW01354	In classroom 139	Classroom Combination Sink	2.3	Pass	N/A	Testing Complete
LW01355	In classroom 139	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01356	In classroom 145	Classroom Combination Sink	2.9	Pass	N/A	Testing Complete
LW01357	In classroom 145	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01358	In classroom 151	Classroom Combination Sink	3.4	Pass	N/A	Testing Complete
LW01359	In classroom 151	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01362	In classroom 152	Classroom Combination Sink	8.8	Fail	1.0	Testing Complete
LW01363	In classroom 152	Classroom Combination Drinking Fountain	1.8	Pass	N/A	Testing Complete
LW01364	In classroom 160	Classroom Combination Sink	9.3	Fail	3.8	Testing Complete
LW01365	In classroom 160	Classroom Combination Drinking Fountain	7.0	Fail	9.4	Testing Complete
LW02185	In classroom 155	Classroom Combination Sink	1.7	Pass	N/A	Testing Complete
LW02186	In classroom 155	Classroom Combination Sink	2.0	Pass	N/A	Testing Complete
LW02187	In classroom 155	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02188	In classroom 156	Classroom Combination Sink	2.6	Pass	N/A	Testing Complete
LW02189	In classroom 156	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02190	In classroom 167	Classroom Combination Sink	4.7	Pass	N/A	Testing Complete
LW02191	In classroom 167	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete

LW02192	In classroom 169	Classroom Combination Sink	40.5	Fail	14.7	Testing Complete
LW02193	In classroom 169	Classroom Combination Drinking Fountain	6.3	Fail	1.2	Testing Complete
LW02194	In classroom 171	Classroom Combination Sink	8.1	Fail	2.0	Testing Complete
LW02195	In classroom 171	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02196	In classroom 183	Classroom Combination Sink	1.7	Pass	N/A	Testing Complete
LW02197	In classroom 183	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07181	In classroom 178	Classroom Combination Sink	4.3	Pass	N/A	Testing Complete
LW07182	In classroom 178	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07183	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW07207	In classroom 119	Classroom Combination Sink	27.4	Fail	5.8	Testing Complete
LW07208	In classroom 119	Classroom Combination Drinking Fountain	4.9	Pass	N/A	Testing Complete
LW07209	In classroom 121	Classroom Combination Sink	2.6	Pass	N/A	Testing Complete
LW07210	In classroom 121	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07211	In classroom 123	Classroom Combination Sink	24.5	Fail	<1	Testing Complete
LW07212	In classroom 123	Classroom Combination Drinking Fountain	1.1	Pass	N/A	Testing Complete
LW07213	In classroom 125	Classroom Combination Sink	14.6	Fail	1.4	Testing Complete
LW07214	In classroom 135	Classroom Combination Sink	39.2	Fail	<1	Testing Complete
LW07215	In classroom 135	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07216	In classroom 141	Classroom Combination Sink	3.5	Pass	N/A	Testing Complete
LW07217	In classroom 141	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07218	In classroom 147	Classroom Combination Sink	9.0	Fail	<1	Testing Complete
LW07219	In classroom 147	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07220	In classroom 162	Classroom Combination Sink	4.8	Pass	N/A	Testing Complete
LW07221	In classroom 162	Classroom Combination Drinking Fountain	8.2	Fail	<1	Testing Complete
LW07222	In break room 114	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW07223	In classroom 180	Classroom Combination Sink	2.8	Pass	N/A	Testing Complete
LW07225	In classroom 185	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
LW07226	In classroom 185	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07227	In work room 106	Teacher's Lounge Sink	28.6	Fail	6.6	Testing Complete
LW07228	In hallway adjacent to room 181	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10089	In hallway next to gym	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10090	In hallway next to the media center	Bottle Filler	<1	Pass	N/A	Testing Complete
M14671	In office 109 by media center	Teacher's Lounge Sink	2.9	Pass	N/A	Testing Complete

M14672	In hallway next to the media center	Drinking Fountain	<1	Pass	N/A	Testing Complete
M14701	In hallway next to gym	Drinking Fountain	<1	Pass	N/A	Testing Complete

MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER
POST-REMEDIATION FOLLOW-UP TESTING 2019

August 29, 2019

Executive Summary:
Travilah Elementary School
13801 Dufief Mill Road, North Potomac, MD 20878

Round of Testing:	Post-Remediation Follow-Up
Sample Date	01/25/2019
# of Outlets Tested:	1
# of Outlets ≥ 5 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	<1.0

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

Kitchen: Outlet (LW01344) will be placed back into service

August 29, 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: Travilah Elementary School,
13801 Dufief Mill Road,
North Potomac, MD 20878

Dear Mr. Mullikin:

Intertek-PSI Inc. is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of the post-remediation lead in water testing at Travilah Elementary School, located at 13801 Dufief Mill Road, North Potomac, MD 20878.

Scope of Services:

One (1) drinking water outlet was remediated at Travilah Elementary School due to initial lead 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 01/24/2019 and 01/25/2019 to collect post-remediation follow-up sample from 1 drinking water outlet 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
LW01344	113	Kitchen		Faucet	25.3	6.0	<1.0	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,

INTERTEK-PSI

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

MONTGOMERY COUNTY PUBLIC SCHOOLS DRINKING WATER TESTING 2018

May 10, 2018

Executive Summary:
Travilah Elementary School
13801 Dufief Mill Rd.
North Potomac, MD 20878

Round of Testing:	Initial
# of Outlets Tested:	64
# of Outlets ≥ 20 ppb:	1
Low Value (ppb):	< 1.0
High Value (ppb):	25.3
Follow-Up Testing Required (Samples ≥ 20 ppb):	Kitchen (25.3 ppb)

Round of Testing:	Follow-Up – 30 sec draw
# of Outlets Tested:	1

Project Status
Testing Complete: Remediation Plan

Kitchen – Replace fixture (LW01344), in addition to supply line and valve located under sink

May 10, 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: Travilah Elementary School
13801 Dufief Mill Rd.
North Potomac, MD 20878

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 Travilah Elementary School, located at 13801 Dufief Mill Road in North Potomac, MD 20878.

Scope of Services:

PSI conducted lead in water testing at Travilah 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 3/8/18 and 3/9/18 to collect samples from 64 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. One 30 second follow-up sample was collected on 4/19/18.

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 was one result 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)
LW01344	Kitchen	3/09/2018	25.3	4/19/18	1.2

The initial lead in water sample results (03/09/2018) and 30 second follow up results (4/19/18) are shown in Attachment A.

Discussion:

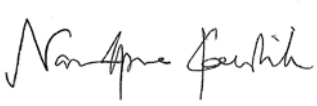
Lead is a naturally occurring element that can be harmful to humans when ingested or inhaled, particularly to children under the age of six. Lead can adversely affect the development of children's brain potentially leading to detrimental alterations in intelligence and behavior. Lead has been historically 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 – Lead in Water Test Summary Table

ATTACHMENT A

Travilah ES Water Test Summary Table

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

Initial Sample Results for Travilah Elementary School (3/9/18)

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW01341	113	Kitchen		Faucet	2.9	Pass	Testing Complete
LW01342	113	Kitchen		Faucet	2.0	Pass	Testing Complete
LW01343	113	Kitchen		Faucet	1.7	Pass	Testing Complete
LW01344	113	Kitchen		Faucet	25.3	Fail	Follow Up Test Needed
LW01345	120	Classroom		Faucet	3.0	Pass	Testing Complete
LW01346	120	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01347	122	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01348	122	Classroom		Bubbler - Indoor	4.1	Pass	Testing Complete
LW01349		Hallway	Right Of Room 126	Cooler	<1.0	Pass	Testing Complete
LW01350	134	Classroom		Faucet	12.5	Pass	Testing Complete
LW01351	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01352	127	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01353	127	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01354	139	Classroom		Faucet	1.8	Pass	Testing Complete
LW01355	139	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01356	145	Classroom		Faucet	1.2	Pass	Testing Complete
LW01357	145	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01358	151	Classroom		Faucet	1.0	Pass	Testing Complete
LW01359	151	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01360		Hallway	Across From Room 147	Cooler	<1.0	Pass	Testing Complete
LW01361		Hallway	Across From Room 147	Cooler	<1.0	Pass	Testing Complete
LW01362	152	Classroom		Faucet	4.9	Pass	Testing Complete
LW01363	152	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01364	160	Classroom		Faucet	2.6	Pass	Testing Complete
LW01365	160	Classroom		Bubbler - Indoor	1.8	Pass	Testing Complete
LW02185	155	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02186	155	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02187	155	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results	Pass/Fail	Status
LW02188	156	Classroom		Faucet	1.8	Pass	Testing Complete
LW02189	156	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02190	167	Classroom		Faucet	1.8	Pass	Testing Complete
LW02191	167	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02192	169	Classroom		Faucet	2.2	Pass	Testing Complete
LW02193	169	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02194	171	Classroom		Faucet	5.1	Pass	Testing Complete
LW02195	171	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02196	183	Classroom		Faucet	1.0	Pass	Testing Complete
LW02197	183	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07181	178	Classroom		Faucet	2.4	Pass	Testing Complete
LW07182	178	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07183	102	Health Room		Faucet	<1.0	Pass	Testing Complete
LW07207	119	Classroom		Faucet	5	Pass	Testing Complete
LW07208	119	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07209	121	Classroom		Faucet	3.4	Pass	Testing Complete
LW07210	121	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07211	123	Classroom		Faucet	3.9	Pass	Testing Complete
LW07212	123	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07213	125	Classroom		Faucet	4.0	Pass	Testing Complete
LW07214	135	Classroom		Faucet	2.1	Pass	Testing Complete
LW07215	135	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07216	141	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07217	141	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07218	147	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07219	147	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07220	162	Classroom		Faucet	1.2	Pass	Testing Complete
LW07221	162	Classroom		Bubbler - Indoor	3.0	Pass	Testing Complete
LW07222	114	Break Room		Faucet	<1.0	Pass	Testing Complete
LW07223	180	Classroom		Faucet	2.5	Pass	Testing Complete
LW07225	185	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07226	185	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07227	106	Work Room		Faucet	4.6	Pass	Testing Complete
M14671	109	Office Media Center		Faucet	2.0	Pass	Testing Complete
M14672		Hallway	Left Of Imc	Cooler	<1.0	Pass	Testing Complete
M14701		Hallway	Next to Gym	Cooler	<1.0	Pass	Testing Complete

*ppb = parts per billion

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

Follow Up Sample Results for Travilah Elementary School (4/19/18)

Barcode ID	Room Number	Location	Equipment Type	Initial draw (2nd) (PPB)	Initial draw (3rd) (PPB)	30 Second Draw (PPB)	Status
LW01344	113	Kitchen	Faucet	6.0	4.8	1.2	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 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.