

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Brown Station Elementary School
851 Quince Orchard Blvd
Gaithersburg, MD 20878**

Report Date: May 9th, 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 Inspection Experts Inc. is presented in the table below.

Sampling Date	4/12/2024
# of Outlets Tested	76
# 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 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 Brown Station ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW01848	In support room 223	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01850	In classroom 221	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01852	In support room 209	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01854	In classroom 207	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01856	In classroom 212	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01858	In classroom 216	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01860	In classroom 222	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01862	In dual purpose room 228	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01864	In classroom 236	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01866	In classroom 2	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01868	In classroom 8	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW01870	In classroom 20	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01874	Classroom 26	Drinking Water Fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01876	In classroom 32	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW01878	In classroom 38	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07000	In classroom 122	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07002	In classroom 126	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07004	In classroom 128	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07006	In classroom 134	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07008	In all purpose room 149	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07013	In music 150	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07015	In office 135	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07017	In classroom 137	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW07019	In office 137A	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07022	In support room 233	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW07024	In classroom 227	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08503	In health room 102	Faucet, Cold	<2.0	Pass	Testing Complete
LW08504	In health room 102C	Faucet, Cold	2.7	Pass	Testing Complete
LW08506	In kindergarten 101	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08507	In preschool 101	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08509	In kindergarten 105	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08511	In classroom 114	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08512	In classroom 107	Faucet, Cold	<2.0	Pass	Testing Complete
LW08513	In classroom 107	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08517	In office 113	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW08519	In classroom 120	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW08521	In classroom 125	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW08523	In classroom 129	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW08525	In classroom 132	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW08527	In classroom 138	Drinking Water fountain - Bubbler Style	<2.0	Pass	Testing Complete
LW08528	In hallway adjacent to gym	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW08529	In hallway adjacent to gym	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW08530	In hallway adjacent to gym	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW08531	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW08532	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW08533	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW08534	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW08535	In break room 140	Faucet, Cold	<2.0	Pass	Testing Complete
LW08536	In art 144	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08537	In art 144	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08539	In music 152	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08540	In hallway adjacent to 137	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW08541	In hallway adjacent to 137	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW08542	In hallway adjacent to 247	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW08543	In hallway adjacent to 247	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW08544	In support room 235	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08546	In classroom 231	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08548	In classroom 215	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08550	In classroom 203	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW08552	In resource center 201	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08554	In support room 208	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08556	In classroom 226	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08558	In classroom 240	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08559	In hallway adjacent to 011	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW08560	In hallway adjacent to 011	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW08561	In hallway adjacent to 011	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW08563	In support room 1	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08565	In classroom 6	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08567	In classroom 12	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08569	In classroom 18	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08571	In classroom 14	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW08573	In classroom 24	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08581	In classroom 30	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08583	In classroom 36	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW08585	In classroom 42	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete
LW10602	In health room 102	Drinking Water fountain - Bubblers Style	<2.0	Pass	Testing Complete

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Brown Station Elementary School
851 Quince Orchard Boulevard
Gaithersburg, MD 20878**

Report Date: February 20th, 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	11/16/2021
# of Outlets Tested	135
# of Outlets \geq 5 ppb	1

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 Brown Station ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
Lw10751	In health room 102B	Classroom Sink	<1	Pass	N/A	Testing Complete
Lw10603	In office room 116	Classroom Sink	<1	Pass	N/A	Testing Complete
LW10602	In health room 102	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08585	In classroom 42	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08584	In classroom 42	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08583	In classroom 36	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08582	In classroom 36	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08581	In classroom 30	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08580	In classroom 30	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08573	In classroom 24	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08572	In classroom 24	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08571	In classroom 14	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08570	In classroom 14	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08569	In classroom 18	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08568	In classroom 18	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08567	In classroom 12	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08566	In classroom 12	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08565	In classroom 6	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08564	In classroom 6	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08563	In support room 1	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08562	In supply room 1	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08561	In hallway adjacent to 011	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08560	In hallway adjacent to 011	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08559	In hallway adjacent to 011	Bottle Filler	<1	Pass	N/A	Testing Complete
LW08558	In classroom 240	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08557	In classroom 240	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08556	In classroom 226	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08555	In classroom 226	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08554	In support room 208	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08553	In support room 208	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete

LW08552	In resource center 201	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08551	In resource center 201	Classroom Combination Sink	2.7	Pass	N/A	Testing Complete
LW08550	In classroom 203	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08549	In classroom 203	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08548	In classroom 215	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08547	In classroom 215	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08546	In classroom 231	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08545	In classroom 231	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08544	In support room 235	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08543	In hallway adjacent to 247	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08542	In hallway adjacent to 247	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08541	In hallway adjacent to 137	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08540	In hallway adjacent to 137	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08539	In music 152	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08538	In music room 152	Classroom Sink	2.5	Pass	N/A	Testing Complete
LW08537	In art 144	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08536	In art 144	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08535	In break room 140	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW08534	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08533	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08532	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08531	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08530	In hallway adjacent to gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08529	In hallway adjacent to gym	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08528	In hallway adjacent to gym	Bottle Filler	<1	Pass	N/A	Testing Complete
LW08527	In classroom 138	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08526	In classroom 138	Classroom Sink	<1	Pass	N/A	Testing Complete
LW08525	In classroom 132	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08524	In classroom 132	Classroom Sink	<1	Pass	N/A	Testing Complete
LW08523	In classroom 129	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08522	In classroom 129	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08521	In classroom 125	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08520	In classroom 125	Classroom Sink	<1	Pass	N/A	Testing Complete

LW08519	In classroom 120	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08518	In classroom 120	Classroom Sink	<1	Pass	N/A	Testing Complete
LW08517	In office 113	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08516	In office room 113	Classroom Sink	2.7	Pass	N/A	Testing Complete
LW08515	In work room 115	Classroom Sink	<1	Pass	N/A	Testing Complete
LW08514	In office 116	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08513	In classroom 107	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08512	In classroom 107	Teacher's Lounge Sink	1.2	Pass	N/A	Testing Complete
LW08511	In classroom 114	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08510	In classroom 114	Classroom Sink	1.1	Pass	N/A	Testing Complete
LW08509	In kindergarten 105	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08508	In kindergarten room 105	Classroom Sink	<1	Pass	N/A	Testing Complete
LW08507	In preschool 101	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW08506	In kindergarten 101	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW08505	In media center 104	Classroom Sink	<1	Pass	N/A	Testing Complete
LW08504	In health room 102C	Nurses Office Sink	6.7	Fail	4.6	Testing Complete
LW08503	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW08502	In work room 100C by administration	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07024	In classroom 227	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07023	In classroom 227	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW07022	In support room 233	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07021	In support room 233	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW07020	In support room 235	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
LW07019	In office 137A	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW07018	In office room 137A	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07017	In classroom 137	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW07016	In classroom 137	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07015	In office 135	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW07014	In office 135	Classroom Combination Sink	2.1	Pass	N/A	Testing Complete
LW07013	In music 150	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW07012	In music 150	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07011	In art 144	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07010	In art 144	Classroom Sink	<1	Pass	N/A	Testing Complete

LW07009	In art 144	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07008	In all purpose room 149	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW07007	In all purpose room 149	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07006	In classroom 134	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW07005	In classroom 134	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07004	In classroom 128	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW07003	In classroom 128	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07002	In classroom 126	Bubbler - Indoor	<1	Pass	N/A	Testing Complete
LW07001	In classroom 126	Classroom Sink	<1	Pass	N/A	Testing Complete
LW07000	In classroom 122	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01878	In classroom 38	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01877	In classroom 38	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01876	In classroom 32	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01875	In classroom 32	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01873	In classroom 26	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01870	In classroom 20	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01869	In classroom 20	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01868	In classroom 8	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01867	In classroom 8	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01866	In classroom 2	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01865	In classroom 2	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01864	In classroom 236	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01863	In classroom 236	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01862	In dual purpose room 228	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01861	In dual purpose room 228	Classroom Combination Sink	1.7	Pass	N/A	Testing Complete
LW01860	In classroom 222	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01859	In classroom 222	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01858	In classroom 216	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01857	In classroom 216	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01856	In classroom 212	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01855	In classroom 212	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01854	In classroom 207	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01853	In classroom 207	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW01852	In support room 209	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01851	In support room 209	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01850	In classroom 221	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01849	In classroom 221	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW01848	In support room 223	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW01847	In support room 223	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary:
Brown Station Elementary School
851 Quince Orchard Boulevard,
Gaithersburg, MD 20878

Date of Test Report:	5/11/2018
Round of Testing:	Initial
# of Outlets Tested:	134
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	4.6

Project Status
Initial testing complete: All results less than 20 ppb.



May 11, 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: Brown Station Elementary School
851 Quince Orchard Boulevard,
Gaithersburg, 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 Brown Station Elementary School, located at 851 Quince Orchard Boulevard, Gaithersburg, MD 20878.

Scope of Services:

PSI conducted lead in water testing at Brown Station 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 4/5/18 and 4/6/18 to collect samples from 134 water outlets in accordance with current criteria described by the Maryland Department of the Environment (MDE) Draft Lead in Drinking Water—Public and Nonpublic Schools, Title 26, Subtitle 16 Lead, Chapter 07.

Samples were submitted to a laboratory for lead in water analysis using current US EPA methodology. The laboratory has been certified by the Maryland Department of the Environment to analyze drinking water for lead.

Results:

There were no results of the lead in water analysis at or above 20 parts per billion (ppb).

The lead in water sample results < 20 ppb for sample collection date 4/6/18 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

Lead in Water Test Summary Table

Contractor: Professional Services Industries, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for Brown Station Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW01847	223	Support Room		Faucet	<1.0	Pass	Testing Complete
LW01848	223	Support Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01849	221	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01850	221	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01851	209	Support Room		Faucet	4.6	Pass	Testing Complete
LW01852	209	Support Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01853	207	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01854	209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01855	212	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01856	212	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01857	216	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01858	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01859	222	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01860	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01861	228	Dual Purpose Room		Faucet	3.1	Pass	Testing Complete
LW01862	228	Dual Purpose Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01863	236	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01864	236	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01865	002	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01866	002	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01867	008	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01868	008	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01869	020	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW01870	020	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01873	026	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01874	026	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01875	032	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01876	032	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW01877	038	Classroom		Faucet	<1.0	Pass	Testing Complete
LW01878	038	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06999	122	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07000	122	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07001	126	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07002	126	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07003	128	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07004	128	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07005	134	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07006	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07007	149	All Purpose Room		Faucet	<1.0	Pass	Testing Complete
LW07008	149	All Purpose Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07009	144	Art		Faucet	<1.0	Pass	Testing Complete
LW07010	144	Art		Faucet	<1.0	Pass	Testing Complete
LW07011	144	Art		Faucet	<1.0	Pass	Testing Complete
LW07012	150	Music		Faucet	<1.0	Pass	Testing Complete
LW07013	150	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07014	135	Office		Faucet	1.4	Pass	Testing Complete
LW07015	135	Office		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07016	137	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07017	137	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07018	137A	Office		Faucet	<1.0	Pass	Testing Complete
LW07019	137A	Office		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW07020	235	Support Room		Faucet	<1.0	Pass	Testing Complete
LW07021	233	Support Room		Faucet	1.4	Pass	Testing Complete
LW07022	233	Support Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW07023	227	Classroom		Faucet	<1.0	Pass	Testing Complete
LW07024	227	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08502	100C	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
LW08503	102	Health Room		Faucet	<1.0	Pass	Testing Complete
LW08504	102C	Health Room		Faucet	1.9	Pass	Testing Complete
LW08505	104	Media Center		Faucet	<1.0	Pass	Testing Complete
LW08506	101	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW08507	101	Preschool		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08508	105	Kindergarten		Faucet	<1.0	Pass	Testing Complete
LW08509	105	Kindergarten		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08510	114	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08511	114	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08512	107	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08513	107	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08514	116	Office		Faucet	<1.0	Pass	Testing Complete
LW08515	115	Work Room		Faucet	<1.0	Pass	Testing Complete
LW08516	113	Office		Faucet	4.4	Pass	Testing Complete
LW08517	113	Office		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08518	120	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08519	120	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08520	125	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08521	125	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08522	129	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08523	129	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08524	132	Classroom		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08525	132	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08526	138	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08527	138	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08528		Hallway	Across from Gym	Cooler	<1.0	Pass	Testing Complete
LW08529		Hallway	Across from Gym	Cooler	<1.0	Pass	Testing Complete
LW08530		Hallway	Across from Gym	Cooler	<1.0	Pass	Testing Complete
LW08531		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08532		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08533		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08534		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW08535	140	Break Room		Faucet	<1.0	Pass	Testing Complete
LW08536	144	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08537	144	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08538	152	Music		Faucet	1.0	Pass	Testing Complete
LW08539	152	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08540		Hallway	In Front Of 137	Cooler	<1.0	Pass	Testing Complete
LW08541		Hallway	In Front Of 137	Cooler	<1.0	Pass	Testing Complete
LW08542		Hallway	In Front Of 247	Cooler	<1.0	Pass	Testing Complete
LW08543		Hallway	In Front Of 247	Cooler	<1.0	Pass	Testing Complete
LW08544		Support Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08545	231	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08546	231	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08547	215	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08548	215	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08549	203	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08550	203	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08551	201	Resource Center		Faucet	4.3	Pass	Testing Complete
LW08552	201	Resource Center		Bubbler - Indoor	1.2	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08553	208	Support Room		Faucet	<1.0	Pass	Testing Complete
LW08554	208	Support Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08555	226	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08556	226	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08557	240	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08558	240	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08559		Hallway	Next To 011	Cooler	<1.0	Pass	Testing Complete
LW08560		Hallway	Next To 011	Cooler	<1.0	Pass	Testing Complete
LW08561		Hallway	Next To 011	Cooler	<1.0	Pass	Testing Complete
LW08562	001	Supply Room		Faucet	1.5	Pass	Testing Complete
LW08563	001	Support Room		Bubbler - Indoor	1.2	Pass	Testing Complete
LW08564	006	Classroom		Faucet	1.4	Pass	Testing Complete
LW08565	006	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08566	012	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08567	012	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08568	018	Classroom		Faucet	1.8	Pass	Testing Complete
LW08569	018	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08570	014	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08571	014	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08572	024	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08573	024	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08580	030	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08581	030	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08582	036	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08583	036	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08584	042	Classroom		Faucet	4.3	Pass	Testing Complete
LW08585	042	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

*ppb = parts per billion