

# Montgomery County Public Schools Lead in Drinking Water Testing Report

Arcola Elementary School  
1820 Franwall Ave  
Silver Spring, MD 20902

Report Date: January 25, 2026

## 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 Environmental Consulting Services, LLC is presented in the table below.

Sampling Date	12/4/2025
# of Outlets Tested	56
# of Outlets $\geq$ 5 ppb	2

## 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](mailto: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](http://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-Arcola Elementary School					
Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW03004	In kitchen 151 by cafeteria	Commercial Sprayer, Cold	53.3	Fail	Remediation Action Plan
LW03005	In kitchen 151	Multiple Compartment Sink - Faucet, Cold	<1.0	Pass	Testing Complete
LW03006	In kitchen 151	Multiple Compartment Sink - Faucet, Cold	<1.0	Pass	Testing Complete
LW03007	In Multipurpose room 101	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW03021	In Multipurpose room 101	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW03022	In hallway adjacent to 125	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW03023	In hallway adjacent to 121	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW03027	In classroom 4	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03030	In classroom 16	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03031	In classroom 18	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03034	In classroom 22	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03035	In classroom 24	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03038	In classroom 28	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03039	In hallway adjacent from room 021	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW03040	In hallway adjacent to room 025	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW03041	In classroom 40	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03044	In classroom 44	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03229	In hallway across from room 101	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW03231	In classroom 9	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03232	In classroom 13	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03235	In classroom 15	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03236	In classroom 19	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03239	In classroom 27	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03240	In classroom 31	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03242	In classroom 127	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03244	In classroom 152	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03246	In classroom 154	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03250	In classroom 12	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW03252	In classroom 3	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03347	In classroom 50	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW03349	In classroom 52	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
LW12969	In hallway adjacent to classroom 101	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW12970	In multipurpose room 101	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW14008	Adjacent to 025	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW14009	Material prep 107A	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	8.8	Fail	Remediation Action Plan
M07413	In health room 102	Faucet, Cold	<1.0	Pass	Testing Complete
M07414	In exam 102C by health	Faucet, Cold	2.2	Pass	Testing Complete
M07416	In work room 100F by administration	Faucet, Cold	<1.0	Pass	Testing Complete
M07418	In classroom 112	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07421	In classroom 109	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07423	In classroom 116	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07425	In classroom 113	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M07427	In classroom 118	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07429	In classroom 115	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07431	In health room 102	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07433	In classroom 119	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07452	In classroom 138	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07454	In classroom 131	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	<1.0	Pass	Testing Complete
M07462	In kitchen 151	Faucet, Cold	1.1	Pass	Testing Complete
M07463	In kitchen 151	Faucet, Cold	<1.0	Pass	Testing Complete
M07483	In hallway adjacent to room 101	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
M33051	In hallway adjacent to room 53	Drinking Water Fountain	<1.0	Pass	Testing Complete
M33052	In hallway adjacent to room 53	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
M33058	In hallway 153 outside	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
M33059	In hallway 153 outside	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
M33098	In classroom 54	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated)	1.2	Pass	Testing Complete

# Montgomery County Public Schools Lead in Drinking Water Testing Report

**Arcola Elementary School  
1820 Franwall Avenue  
Silver Spring, MD 20902**

**Report Date: July 27th, 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	5/10/23
# of Outlets Tested	56
# of Outlets $\geq$ 5 ppb	1

## **NEXT STEPS**

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

## **HEALTH EFFECTS OF LEAD**

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

## **SOURCES OF HUMAN EXPOSURE TO LEAD**

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

## **TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:**

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

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

## **ADDITIONAL INFORMATION**

1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or [brian\\_a\\_mullikin@mcpsmd.org](mailto: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](http://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 Arcola ES

Outlet Barcode	Outlet Location	Outlet Type	Initials Results (ppb)	Pass/Fail	Status
LW03004	In kitchen 151 by cafeteria	Kitchen Sink	2.3	Pass	Testing Complete
LW03005	In kitchen 151	Kitchen Sink	<1.0	Pass	Testing Complete
LW03006	In kitchen 151	Kitchen Sink	<1.0	Pass	Testing Complete
LW03007	In Multipurpose room 101	Drinking Fountain	<1.0	Pass	Testing Complete
LW03021	In Multipurpose room 101	Drinking Fountain	<1.0	Pass	Testing Complete
LW03022	In hallway adjacent to 125	Drinking Fountain	<1.0	Pass	Testing Complete
LW03023	In hallway adjacent to 121	Drinking Fountain	<1.0	Pass	Testing Complete
LW03027	In classroom 4	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03030	In classroom 16	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03031	In classroom 18	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03034	In classroom 22	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03035	In classroom 24	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03038	In classroom 28	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03039	In hallway adjacent from room 021	Drinking Fountain	<1.0	Pass	Testing Complete
LW03040	In hallway adjacent to room 025	Drinking Fountain	<1.0	Pass	Testing Complete
LW03041	In classroom 40	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initials Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW03044	In classroom 44	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03229	In hallway across from room 101	Drinking Fountain	<1.0	Pass	Testing Complete
LW03231	In classroom 9	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03232	In classroom 13	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03235	In classroom 15	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03236	In classroom 19	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03239	In classroom 27	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03240	In classroom 31	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03242	In classroom 127	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03244	In classroom 154	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03246	In classroom 152	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03250	In classroom 12	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03252	In classroom 3	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03253	In classroom 7	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03347	In classroom 50	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW03349	In classroom 52	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07413	In health room 102	Nurses Office Sink	<1.0	Pass	Testing Complete
M07414	In exam 102C by health	Nurses Office Sink	51.2	Fail	Remediation Action Plan

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initials Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
M07416	In work room 100F by administration	Teachers Lounge Sink	<1.0	Pass	Testing Complete
M07418	In classroom 112	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07421	In classroom 109	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07423	In classroom 116	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07425	In classroom 113	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07427	In classroom 118	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07429	In classroom 115	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07433	In classroom 119	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07448	In classroom 134	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07452	In classroom 138	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07454	In classroom 131	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
M07462	In kitchen 151	Kitchen Sink	<1.0	Pass	Testing Complete
M07463	In kitchen 151	Kitchen Sink	<1.0	Pass	Testing Complete
M07483	In hallway adjacent to room 101	Drinking Fountain	<1.0	Pass	Testing Complete
M33051	In hallway adjacent to room 53	Drinking Fountain	<1.0	Pass	Testing Complete
M33052	In hallway adjacent to room 53	Drinking Fountain	<1.0	Pass	Testing Complete
M33058	In hallway 153	Drinking Fountain	<1.0	Pass	Testing Complete
M33059	In hallway 153	Drinking Fountain	<1.0	Pass	Testing Complete
M33098	In classroom 54	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initials Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW12969	In hallway adjacent to classroom 101	Drinking Fountain	<1.0	Pass	Testing Complete
LW12970	In multipurpose room 101	Drinking Fountain	<1.0	Pass	Testing Complete
M07431	In health room 102	Nurses Office Sink	<1.0	Pass	Testing Complete

# Montgomery County Public Schools Lead in Drinking Water Testing Report

Arcola Elementary School  
1820 Franwell Ave.  
Wheaton, MD 20902

Report Date: March 17th, 2020

## LEAD IN DRINKING WATER SAMPLE RESULTS SUMMARY

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

Sampling Date	2/11/2020
# of Outlets Tested	92
# of Outlets $\geq$ 5 ppb	0

## NEXT STEPS

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

## HEALTH EFFECTS OF LEAD

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

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

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### **ADDITIONAL INFORMATION**

1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or [brian\\_a\\_mullikin@mcpsmd.org](mailto: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](http://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 Arcola ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW03004	In kitchen 151 by cafeteria	Kitchen Sink	1.9	Pass	N/A	Testing Complete
LW03005	In kitchen 151	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW03006	In kitchen 151	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW03007	In Multipurpose room 101	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03021	In Multipurpose room 101	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03022	In hallway adjacent to 125	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03023	In hallway adjacent to 121	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03024	In classroom 21	Classroom Sink	<1	Pass	N/A	Testing Complete
LW03025	In classroom 21	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03026	In classroom 21	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03027	In classroom 4	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03028	In classroom 4	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03029	In classroom 16	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03030	In classroom 16	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03031	In classroom 18	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03032	In classroom 18	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03033	In classroom 22	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03034	In classroom 22	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03035	In classroom 24	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03036	In classroom 24	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03037	In classroom 28	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03038	In classroom 28	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03039	In hallway adjacent from room 021	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03040	In hallway adjacent to room 025	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03041	In classroom 40	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03042	In classroom 40	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW03043	In classroom 44	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03044	In classroom 44	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03045	In classroom 54	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03229	In hallway across from room 101	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03230	In classroom 9	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03231	In classroom 9	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03232	In classroom 13	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03233	In classroom 13	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03234	In classroom 15	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03235	In classroom 15	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03236	In classroom 19	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03237	In classroom 19	Classroom Combination Sink	1.0	Pass	N/A	Testing Complete
LW03238	In classroom 27	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03239	In classroom 27	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03240	In classroom 31	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03241	In classroom 31	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
LW03242	In classroom 127	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03243	In classroom 154	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03244	In classroom 154	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03245	In classroom 152	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03246	In classroom 152	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03248	In resource center 6	Classroom Sink	<1	Pass	N/A	Testing Complete
LW03249	In classroom 12	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03250	In classroom 12	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03251	In classroom 3	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03252	In classroom 3	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03253	In classroom 7	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03254	In classroom 7	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03346	In classroom 50	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW03347	In classroom 50	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03348	In classroom 52	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03349	In classroom 52	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07413	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M07414	In exam 102C by health	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M07416	In work room 100F by administration	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
M07418	In classroom 112	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07419	In classroom 112	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07420	In classroom 109	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07421	In classroom 109	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07423	In classroom 116	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07424	In classroom 113	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
M07425	In classroom 113	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07426	In classroom 118	Classroom Combination Sink	1.5	Pass	N/A	Testing Complete
M07427	In classroom 118	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07429	In classroom 115	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07430	In classroom 122	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07432	In classroom 119	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07433	In classroom 119	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07447	In classroom 134	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07448	In classroom 134	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07449	In classroom 127	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07451	In classroom 138	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07452	In classroom 138	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07453	In classroom 131	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07454	In classroom 131	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M07455	Inside of room 107 in room 107A	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M07462	In kitchen 151	Kitchen Sink	1.6	Pass	N/A	Testing Complete
M07463	In kitchen 151	Kitchen Sink	<1	Pass	N/A	Testing Complete

M07483	In hallway adjacent to room 101	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33051	In hallway adjacent to room 53	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33052	In hallway adjacent to room 53	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33058	In hallway 153 outside	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33059	In hallway 153 outside	Drinking Fountain	<1	Pass	N/A	Testing Complete
M33063	In classroom 150	Classroom Sink	<1	Pass	N/A	Testing Complete
M33064	In classroom 148	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M33098	In classroom 54	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete



## Montgomery County Public Schools Lead in Drinking Water Testing 2018

### Executive Summary:

#### Arcola Elementary School

1820 Franwall Avenue

Silver Spring, Maryland 20902

Date of Test Report:	3/19/2018
Round of Testing:	Initial
# of Outlets Tested:	93
# of Outlets $\geq 20$ ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	11

### Project Status:

Initial testing complete: All results less than 20 ppb.



3/19/2018

Mr. Brian Mullikin, MS  
Environmental Team Leader  
Montgomery County Public Schools  
Division of Maintenance  
Gaithersburg, Maryland 20879

Re: Drinking Water Testing

KCI Job #1214634186

**Location: Arcola Elementary School**

1820 Franwall Avenue  
Silver Spring, Maryland 20902

Dear Mr. Mullikin:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of Initial lead in water testing at Arcola Elementary School, located at 1820 Franwall Avenue in Silver Spring, Maryland 20902.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Arcola Elementary School in accordance with the Environmental Protection Agency (EPA) and Maryland House Bill (HB) 270. State regulation established an action level of 20 parts per billion (ppb) to evaluate lead levels in school buildings, a concentration EPA recommends that schools take action to reduce lead below this action level. Maryland requires periodic testing for the presence of lead in drinking water in occupied public and nonpublic school buildings. EPA developed the 3T's (Training, Testing, and Telling) to assist schools in reducing the lead concentrations in their drinking water. More information about 3T's can be found on the EPA website.

KCI visited the site on 2/12/2018 and 2/13/2018 to collect samples from 93 drinking water outlets in accordance with current criteria described by the Maryland Department of the Environment (MDE) Draft Lead in Drinking Water - Public and Nonpublic Schools, Title 26, Subtitle 16 Lead, Chapter 07.

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

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## **RESULTS**

There are no results of the lead in water analysis at or above 20 parts per billion (ppb). The lead in water sample results for sample collection date 2/13/2018 are shown in Attachment A.

## **DISCUSSION**

Lead is a naturally occurring element that can be harmful to humans when ingested or inhaled, particularly to children under the age of six. Lead can adversely affect the development of children's brain potentially leading to detrimental alterations in intelligence and behavior. Lead has been historically used in plumbing, paint and other building materials. Lead is released into the environment from industrial sources and fuel combustion. Lead may also be found in consumer products (imported candy, medicines, toys, dishes, etc.).

Most lead leaches into drinking water from contact with plumbing components such as faucets and valves made of brass or lead-containing solder. The physical and chemical interaction that occurs between the plumbing and water directly contributes to the amount of lead that is released into the water. Although plumbing components installed prior to the 1990's could contain more lead than newer materials, the amount of lead in the drinking water cannot be predicted by the age of building. The purpose of this regulation is to establish a program to minimize the risk of exposure to lead in drinking water outlets at schools.

Simple steps like keeping your home clean and well-maintained will go a long way in preventing lead exposure. These steps include inspecting and maintaining all painted surfaces to prevent paint deterioration, using only cold water to prepare food and drinks, flushing water outlets used for drinking or food preparation, and cleaning around painted areas where friction can generate dust, such as doors, windows, and drawers. Wipe these areas with a wet sponge or rag to remove paint chips or dust, and wash children's hands, bottles, pacifiers and toys often.

Respectfully Submitted,  
KCI Technologies, Inc.



Kamau McAbee  
MDE Certified Water Sampler #8281KM

Attachment:

A- Lead in Water Test Summary Table

# ATTACHMENT A

## Lead in Water Test Summary Table

ATTACHMENT A

Lead in Water Test Summary Table

**Contractor:** KCI Technologies, Inc.

**Certified Laboratory:** Microbac Laboratories, Inc.

Sample Results for Arcola Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03004	151	Kitchen Cafeteria	Inside Of	Icemaker	1.6	Pass	Testing Complete
LW03005	151	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03006	151	Kitchen		Faucet	<1.0	Pass	Testing Complete
LW03007	101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW03021	101	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW03024	21	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03025	21	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03026	21	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03027	004	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03028	004	Classroom		Faucet	1.1	Pass	Testing Complete
LW03029	016	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03030	016	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03031	018	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03032	018	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
LW03033	022	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03034	022	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03035	024	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03036	024	Classroom		Faucet	1.8	Pass	Testing Complete
LW03037	028	Classroom		Faucet	2	Pass	Testing Complete
LW03038	028	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03041	040	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03042	040	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03043	044	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03044	044	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03045	54	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03229	101	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW03230	009	Classroom		Faucet	1	Pass	Testing Complete
LW03231	009	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03232	013	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03233	013	Classroom		Faucet	1.2	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW03234	015	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03235	015	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03236	019	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03237	019	Classroom		Faucet	1.2	Pass	Testing Complete
LW03238	027	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03239	027	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03240	031	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03241	031	Classroom		Faucet	1.1	Pass	Testing Complete
LW03242	127	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03243	154	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03244	154	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03245	152	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03246	152	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03247	021	Day Care Academic Support Office		Cooler	<1.0	Pass	Testing Complete
LW03248	006	Resource Center		Faucet	2	Pass	Testing Complete
LW03249	012	Classroom		Faucet	2.6	Pass	Testing Complete
LW03250	012	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03251	003	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03252	003	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03253	007	Classroom		Bubbler - Indoor	1	Pass	Testing Complete
LW03254	007	Classroom		Faucet	1.2	Pass	Testing Complete
LW03346	050	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03347	050	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03348	052	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03349	052	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07413	102	Health Room		Faucet	<1.0	Pass	Testing Complete
M07414	102C	Exam Health		Faucet	<1.0	Pass	Testing Complete
M07416	100F	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
M07418	112	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07419	112	Classroom		Faucet	1	Pass	Testing Complete
M07420	109	Classroom		Faucet	1	Pass	Testing Complete
M07421	109	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07423	116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M07423	116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07424	113	Classroom		Faucet	2.3	Pass	Testing Complete
M07425	113	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07426	118	Classroom		Faucet	2.4	Pass	Testing Complete
M07427	118	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07428	115	Classroom		Faucet	<1.0	Pass	Testing Complete
M07429	115	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07430	122	Classroom		Faucet	<1.0	Pass	Testing Complete
M07431	122			Bubbler - Indoor	<1.0	Pass	Testing Complete
M07432	119	Classroom		Faucet	2.2	Pass	Testing Complete
M07433	119	Classroom		Bubbler - Indoor	4.9	Pass	Testing Complete
M07447	134	Classroom		Faucet	<1.0	Pass	Testing Complete
M07448	134	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07449	127	Classroom		Faucet	<1.0	Pass	Testing Complete
M07451	138	Classroom		Faucet	<1.0	Pass	Testing Complete
M07452	138	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07453	131	Classroom		Faucet	1.2	Pass	Testing Complete
M07454	131	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M07455	107A	Material Prep Area	Behind 105C IMC Office	Faucet	<1.0	Pass	Testing Complete
M07456	107A	Material Prep	Behind 105C IMC Office	Bubbler - Indoor	11	Pass	Testing Complete
M07462	151	Kitchen		Faucet	3	Pass	Testing Complete
M07463	151	Kitchen		Faucet	1.1	Pass	Testing Complete
M07483		Hallway	Between Art and Music Rm	Cooler	<1.0	Pass	Testing Complete
M33051	53	Hallway	Across From Rm 53	Cooler	<1.0	Pass	Testing Complete
M33052	53	Hallway	Across From Rm 53	Cooler	<1.0	Pass	Testing Complete
M33058	153	Hallway	Outside	Cooler	<1.0	Pass	Testing Complete
M33059	153	Hallway	Outside	Cooler	<1.0	Pass	Testing Complete
M33063	150	Classroom		Faucet	<1.0	Pass	Testing Complete
M33064	148	Classroom		Faucet	<1.0	Pass	Testing Complete
M33098	54	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete

\*PPB = parts per billion