

# Montgomery County Public Schools Lead in Drinking Water Testing Report

Bethesda Chevy Chase High School  
4301 East-West Hwy.  
Bethesda, MD 20814

Report Date: May 13<sup>th</sup>, 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	4/16/2024
# of Outlets Tested	64
# 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](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 Bethesda Chevy Chase HS

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW03762	In hallway across from F018	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03763	In hallway across from F012	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03764	In hallway across from F012	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03765	In hallway across from F012	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW03945	In hallway across from F308	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03946	In hallway across from F308	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03947	In hallway across from F308	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03948	In hallway across from F311	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03949	In hallway across from F311	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03951	In hallway across from F311	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03953	In hallway Beside F223	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW03954	In hallway adjacent to F223	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03955	In hallway Beside F223	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03956	In hallway across from F216	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03957	In hallway across from F216	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03958	In hallway across from F216	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03959	In hallway across from F216	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03960	In hallway across from F208	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03962	In hallway across from F208	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03969	In classroom F203A	Ice Machine	<2.0	Pass	Testing Complete
LW03984	In hallway across from F118	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03985	In hallway across from F118	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03986	In hallway across from F118	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW03988	In hallway across from F125	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03991	In hallway across from F125	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03993	In hallway across from F018	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03994	In hallway across from F018	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW03995	In hallway across from F018	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW10699	Concession room	Ice Machine	<2.0	Pass	Testing Complete
LW10700	In room A030B	Ice Machine	<2.0	Pass	Testing Complete
LW11661	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW11662	In kitchen	Faucet, Cold	2.2	Pass	Testing Complete
LW11663	In kitchen	Faucet, Cold	2.4	Pass	Testing Complete
LW11664	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW11665	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW11666	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW11667	In kitchen	Faucet, Cold	<2.0	Pass	Testing Complete
LW11668	In hallway N front of café	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11669	In hallway N front of café	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11670	In hallway N front of café	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW11673	In health room B136	Faucet, Cold	<2.0	Pass	Testing Complete
LW11674	In hallway adjacent to E103	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11675	In hallway adjacent to E103	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW11676	In hallway adjacent to E103	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11681	In hallway In front of E007	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11682	In locker room - mens	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11683	In locker room - womens	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete

<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
LW11686	In hallway next to B225	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11690	In hallway next to B214	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW11691	In hallway next to B214	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11692	In hallway next to B214	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11695	In hallway right of B320	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11696	In hallway right of B320	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11698	In hallway right of B310	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
LW11699	In hallway right of B310	Bottle Refill Dispenser/Water Refill Station	<2.0	Pass	Testing Complete
LW11700	In hallway next to elevator 4 Floor	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M25152	In kitchen by career center ie. across from A209	Faucet, Cold	<2.0	Pass	Testing Complete
M42693	In health room B136	Drinking Water fountain - Bubbler Style	4.5	Pass	Testing Complete
M42715	In hallway across from E007	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete



<b>Outlet Barcode</b>	<b>Outlet Location</b>	<b>Outlet Type</b>	<b>Initial Results (ppb)</b>	<b>Pass/Fail</b>	<b>Status</b>
M42744	In kitchen by cafeteria	Faucet, Cold	<2.0	Pass	Testing Complete
M42752	In kitchen by cafeteria	Ice Machine	<2.0	Pass	Testing Complete
M42797	In hall adjacent to elevator	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M43083	In hallway next to B310	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete
M44492	In hallway next to B225	Drinking Water Fountain - Cooler/Chiller Style	<2.0	Pass	Testing Complete

# Montgomery County Public Schools Lead in Drinking Water Testing Report

Bethesda-Chevy Chase High School  
4301 East-West Highway  
Bethesda, MD 20814

Report Date: February 16<sup>th</sup>, 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	10/19/2021
# of Outlets Tested	102
# of Outlets $\geq$ 5 ppb	5

## 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](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 Bethesda-Chevy Chase HS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW10699	Concession room	Ice Machine	<1	Pass	N/A	Testing Complete
LW03992	In art F127	Classroom Sink	<1	Pass	N/A	Testing Complete
M42705	In boys dressing room across from E030	Classroom Sink	3.4	Pass	N/A	Testing Complete
LW11680	In break room C110	Teachers Lounge Sink	1.2	Pass	N/A	Testing Complete
LW11678	In child development C113	Classroom Combination Sink	4.2	Pass	N/A	Testing Complete
M42787	In child development C113	Classroom Sink	<1	Pass	N/A	Testing Complete
LW10701	In classroom A030B Trainer	Classroom Sink	5.7	Fail	3.9	Testing Complete
LW11697	In classroom B303	Classroom Sink	1.2	Pass	N/A	Testing Complete
LW03987	In Classroom F110	Classroom Sink	<1	Pass	N/A	Testing Complete
LW03969	In classroom F203A	Ice Machine	<1	Pass	N/A	Testing Complete
LW03944	In classroom F310	Classroom Sink	<1	Pass	N/A	Testing Complete
LW11671	In concession	Classroom Combination Sink	6.7	Fail	3.4	Testing Complete
LW11672	In concession	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11684	In dressing room - womens	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW11685	In dressing room - womens	Classroom Sink	3.7	Pass	N/A	Testing Complete
M42707	In girls dressing room across from E031	Teacher's Lounge Sink	1.2	Pass	N/A	Testing Complete
M42797	In hall adjacent to elevator	Drinking Fountain	<1	Pass	N/A	Testing Complete
M42715	In hallway across from E007	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03763	In hallway across from F012	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03764	In hallway across from F012	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03765	In hallway across from F012	Bottle Filler	<1	Pass	N/A	Testing Complete
LW03762	In hallway across from F018	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03993	In hallway across from F018	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03995	In hallway across from F018	Bottle Filler	<1	Pass	N/A	Testing Complete
LW03994	In hallway across from F018	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03985	In hallway across from F118	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03986	In hallway across from F118	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03984	In hallway across from F118	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03989	In hallway across from F125	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03988	In hallway across from F125	Drinking Fountain	<1	Pass	N/A	Testing Complete

LW03990	In hallway across from F125	Bottle Filler	<1	Pass	N/A	Testing Complete
LW03991	In hallway across from F125	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03960	In hallway across from F208	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03961	In hallway across from F208	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03962	In hallway across from F208	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03956	In hallway across from F216	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03957	In hallway across from F216	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03958	In hallway across from F216	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03959	In hallway across from F216	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03945	In hallway across from F308	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03947	In hallway across from F308	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03946	In hallway across from F308	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03948	In hallway across from F311	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03949	In hallway across from F311	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03950	In hallway across from F311	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03951	In hallway across from F311	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10702	In hallway adjacent to E007	Bottle Filler	<1	Pass	N/A	Testing Complete
LW11675	In hallway adjacent to E103	Bottle Filler	<1	Pass	N/A	Testing Complete
LW11674	In hallway adjacent to E103	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11676	In hallway adjacent to E103	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03954	In hallway adjacent to F223	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03953	In hallway Beside F223	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03955	In hallway Beside F223	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11681	In hallway In front of E007	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11691	In hallway next to B214	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11692	In hallway next to B214	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11690	In hallway next to B214	Bottle Filler	<1	Pass	N/A	Testing Complete
LW11686	In hallway next to B225	Drinking Fountain	<1	Pass	N/A	Testing Complete
M44492	In hallway next to B225	Drinking Fountain	<1	Pass	N/A	Testing Complete
M43083	In hallway next to B310	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11700	In hallway next to elevator 4 Floor	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11668	In hallway N front of café	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11670	In hallway N front of café	Bottle Filler	<1	Pass	N/A	Testing Complete

LW11669	In hallway N front of café	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11699	In hallway right of B310	Bottle Filler	<1	Pass	N/A	Testing Complete
LW11698	In hallway right of B310	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11695	In hallway right of B320	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11696	In hallway right of B320	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11673	In health room B136	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M42693	In health room B136	Classroom Combination Drinking Fountain	17.3	Fail	17.5	Testing Complete
LW03967	In home economics F201	Classroom Sink	<1	Pass	N/A	Testing Complete
LW03965	In home economics F201	Classroom Sink	<1	Pass	N/A	Testing Complete
LW03966	In home economics F201	Classroom Sink	<1	Pass	N/A	Testing Complete
LW11661	In kitchen	Kitchen Sink	3.5	Pass	N/A	Testing Complete
LW11662	In kitchen	Kitchen Sink	4.8	Pass	N/A	Testing Complete
LW11665	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11663	In kitchen	Kitchen Sink	2.2	Pass	N/A	Testing Complete
LW11664	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11666	In kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11667	In kitchen	Kitchen Sink	2.9	Pass	N/A	Testing Complete
M42744	In kitchen by cafeteria	Kitchen Sink	<1	Pass	N/A	Testing Complete
M42752	In kitchen by cafeteria	Ice Machine	<1	Pass	N/A	Testing Complete
M25152	In kitchen by career center ie. across from A209	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW11682	In locker room - mens	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11683	In locker room - womens	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW11693	In office A320	Classroom Sink	3.9	Pass	N/A	Testing Complete
M43077	In office A418	Classroom Sink	<1	Pass	N/A	Testing Complete
M42782	In office C101	Classroom Sink	71.5	Fail	<1	Testing Complete
M42784	In office C104	Classroom Sink	1.4	Pass	N/A	Testing Complete
LW11687	In office C203	Classroom Sink	<1	Pass	N/A	Testing Complete
LW11694	In office C303	Classroom Sink	1.2	Pass	N/A	Testing Complete
M25125	In office C308	Classroom Sink	<1	Pass	N/A	Testing Complete
M44475	In office D201	Classroom Sink	14.7	Fail	14.9	Testing Complete
LW03766	In office F000	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW03968	In office F203A by science	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03983	In office F203A by science	Classroom Sink	2.5	Pass	N/A	Testing Complete

LW03963	In office F208A by classroom	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03964	In office F208A by classroom	Ice Machine	<1	Pass	N/A	Testing Complete
LW10700	In room A030B	Ice Machine	<1	Pass	N/A	Testing Complete
LW11677	In work room B104	Classroom Sink	<1	Pass	N/A	Testing Complete
M37173	In work room B203 by media center	Teacher's Lounge Sink	1.3	Pass	N/A	Testing Complete
LW11688	In work room C208	Classroom Sink	1.2	Pass	N/A	Testing Complete





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

October 30, 2019

### Executive Summary:

#### Bethesda Chevy Chase High School

4301 East West Highway

Bethesda, Maryland 20814

Round of Testing:	Post-Remediation Follow-up
Sample Date	1/25/2019
# of Outlets Tested:	1
# of Outlets $\geq$ 5 ppb:	1
Low Value (ppb):	6.7
High Value (ppb):	6.7

### Project Status

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

Material Prep B226A - Outlet (LW03952) will have signage affixed



October 30, 2019

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

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

**Location: Bethesda Chevy Chase High School**

4301 East West Highway  
Bethesda, Maryland 20814

Dear Mr. Mullikin:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of the post-remediation follow-up lead in water testing at Bethesda Chevy Chase High School, located at 4301 East West Highway in Bethesda, Maryland 20814.

**SCOPE OF SERVICES**

One drinking water outlet was remediated at Bethesda Chevy Chase High School due to initial lead levels that exceeded the lead action level of 5 parts per billion (ppb). KCI Technologies, Inc. conducted lead in water post-remediation follow-up testing in accordance with the Maryland Code of Regulations (COMAR) 26.16.07 - Lead in Drinking Water - Public and Nonpublic Schools.

KCI Technologies, Inc. visited the site on 1/25/2019 to collect a post-remediation follow-up sample from 1 drinking water outlet that had been replaced. The sample was 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
LW03952	B226A	Material Prep		Faucet	55.5	ND	6.7	Fail	Post-remediation follow-up testing complete. Outlet will have signage affixed

## DISCUSSION

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

Most lead leaches into drinking water from contact with plumbing components such as faucets and valves made of brass or lead-containing solder. The physical and chemical interaction that occurs between the plumbing and water directly contributes to the amount of lead that is released into the water. Although plumbing components installed prior to the 1990's could contain more lead than newer materials, the amount of lead in the drinking water cannot be predicted by the age of building. The purpose of this regulation is to establish a program to minimize the risk of exposure to lead in drinking water outlets at schools. The Environmental Protection Agency (EPA) developed the 3T's (Training, Testing, and Telling) to assist schools in reducing the lead concentrations in their drinking water. More information about 3T's can be found on the EPA website.

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

Respectfully Submitted,  
KCI Technologies, Inc.



Kamau McAbee  
MDE Certified Water Sampler #8281KM  
KCI Job #1214634186



## MONTGOMERY COUNTY PUBLIC SCHOOLS DRINKING WATER TESTING 2018

July 24, 2018

**Executive Summary:**  
**Bethesda-Chevy Chase High School**  
4301 East West Highway,  
Bethesda, MD 20814

Round of Testing:	Initial
# of Outlets Tested:	57
# of Outlets $\geq$ 20 ppb:	1
Low Value (ppb):	< 1.0
High Value (ppb):	55.5
Follow-Up Testing Required (Samples $\geq$ 20 ppb):	Material Prep Area (55.5 ppb)

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

**Project Status**  
**Testing Complete: Remediation Plan**

Material Prep Room B226A – Replace fixture (M25158), in addition to supply line and valve located under sink



July 24, 2018

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

Re: Lead in Water Testing Service

Location: Bethesda-Chevy Chase High School  
4301 East West Highway  
Bethesda, MD 20814

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 Bethesda-Chevy Chase High School, located 4301 East West Highway, Bethesda, MD 20814.

**Scope of Services:**

PSI conducted lead in water testing at Bethesda-Chevy Chase High 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 5/3/18 and 5/4/18 to collect samples from 57 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 6/21/18.

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)
M25158	Material Prep Room B226A	5/4/18	55.5	6/21/18	ND

\*ppb = parts per billion  
ND = Non Detect

The initial lead in water sample results (5/4/18) and 30 second follow up results (6/21/18) 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](mailto:Nand.Kaushik@psiusa.com)

Attachments:           A – Lead in Water Test Summary Table

# ATTACHMENT A

## Bethesda-Chevy Chase High School Water Test Summary Table

**Contractor:** Professional Services Industries, Inc.

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

Initial Sample Results for Bethesda-Chevy Chase High School (5/4/18)

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW11661		Kitchen		Faucet	3.5	Pass	Testing Complete
LW11662		Kitchen		Faucet	3.1	Pass	Testing Complete
LW11663		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW11664		Kitchen		Faucet	1.1	Pass	Testing Complete
LW11665		Kitchen		Faucet	1.8	Pass	Testing Complete
LW11666		Kitchen		Faucet	1.5	Pass	Testing Complete
LW11667		Kitchen		Faucet	2.8	Pass	Testing Complete
LW11668		Hallway	Front of Café	Cooler	<1.0	Pass	Testing Complete
LW11669		Hallway	Front of Café	Cooler	<1.0	Pass	Testing Complete
LW11670		Hallway	Front of Café	Cooler	<1.0	Pass	Testing Complete
LW11671		Concession		Faucet	2.0	Pass	Testing Complete
LW11673	B136	Health Room		Faucet	<1.0	Pass	Testing Complete
LW11674		Hallway		Cooler	<1.0	Pass	Testing Complete
LW11675		Hallway		Cooler	<1.0	Pass	Testing Complete
LW11676		Hallway		Faucet	<1.0	Pass	Testing Complete
LW11677	B104	Work Room		Faucet	<1.0	Pass	Testing Complete
LW11678	C113	Child Development		Faucet	1.3	Pass	Testing Complete
LW11680	C110	Break Room		Faucet	<1.0	Pass	Testing Complete
LW11681		Hallway	In Front of E007	Cooler	<1.0	Pass	Testing Complete
LW11682		Locker Room - Men's		Cooler	<1.0	Pass	Testing Complete
LW11683		Locker Room - Women's		Cooler	<1.0	Pass	Testing Complete
LW11684		Dressing Room - Women's		Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW11685		Dressing Room - Women's		Faucet	2.6	Pass	Testing Complete
LW11686		Hallway	Next to B225	Cooler	<1.0	Pass	Testing Complete
LW11687	C203	Office		Faucet	1.0	Pass	Testing Complete
LW11688	C208	Work Room		Faucet	<1.0	Pass	Testing Complete
LW11689	B220A	Office Science		Faucet	5.8	Pass	Testing Complete
LW11690		Hallway	Next to B214	Cooler	<1.0	Pass	Testing Complete
LW11691		Hallway	Next to B214	Cooler	<1.0	Pass	Testing Complete
LW11692		Hallway	Next to B214	Cooler	<1.0	Pass	Testing Complete
LW11693	A320	Office		Faucet	3.3	Pass	Testing Complete
LW11694	C303	Office		Faucet	<1.0	Pass	Testing Complete
LW11695		Hallway	Right of B320	Cooler	<1.0	Pass	Testing Complete
LW11696		Hallway	Right of B320	Cooler	<1.0	Pass	Testing Complete
LW11697	B303	Classroom		Faucet	<1.0	Pass	Testing Complete
LW11698		Hallway	Right of B310	Cooler	<1.0	Pass	Testing Complete
LW11699		Hallway	Right of B310	Cooler	<1.0	Pass	Testing Complete
LW11700		Hallway	Next to Elevator 4 Floor	Cooler	<1.0	Pass	Testing Complete
M25125	C308	Office		Faucet	<1.0	Pass	Testing Complete
M25152		Kitchen Career Center	Across from A209	Faucet	<1.0	Pass	Testing Complete
M25153	B217A	Material Prep Science		Faucet	13.3	Pass	Testing Complete
M25158	B226A	Material Prep		Faucet	55.5	Fail	Follow-Up Testing Needed
M37173	B203	Work Room Media Center		Faucet	<1.0	Pass	Testing Complete
M42705		Boys Dressing Room	Across from E030	Faucet	2.7	Pass	Testing Complete
M42707		Girls Dressing Room	Across from E031	Faucet	1.0	Pass	Testing Complete
M42744		Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
M42752		Kitchen Cafeteria		Ice Maker	<1.0	Pass	Testing Complete
M42782	C101	Office		Faucet	<1.0	Pass	Testing Complete
M42784	C104	Office		Faucet	<1.0	Pass	Testing Complete
M42787	C113	Child Development		Faucet	<1.0	Pass	Testing Complete



Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M42797		Hallway	4th Floor	Cooler	<1.0	Pass	Testing Complete
M43077	A418	Office		Faucet	1.2	Pass	Testing Complete
M43078	A410	Work Room		Faucet	11.0	Pass	Testing Complete
M43083		Hallway	Next to B310	Cooler	<1.0	Pass	Testing Complete
M43102	B313A	Material Prep Area		Faucet	9.5	Pass	Testing Complete
M44475	D201	Office		Faucet	<1.0	Pass	Testing Complete
M44492		Hallway	Next to B225	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 Bethesda-Chevy Chase High School (6/21/18)

Barcode ID	Room Number	Location	Equipment Type	Initial draw (2 <sup>nd</sup> ) (PPB)	30 Second Draw (PPB)	Status
M25158	B226A	Material Prep	Faucet	27.8	ND	Remediation required – replace fixture, in addition to supply line and valve located under sink

\*ppb = parts per billion  
ND = Non Detect

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