

# Montgomery County Public Schools Lead in Drinking Water Testing Report

**Luxmanor Elementary School  
6201 Tilden Ln.  
Rockville, MD 20852**

**Report Date: November 13, 2024**

## **LEAD IN DRINKING WATER SAMPLE RESULTS SUMMARY**

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

Sampling Date	10/11/2024
# of Outlets Tested	69
# 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 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 Luxmanor ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW04792	In Classroom 122	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW04793	In hallway outside of 213	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW04794	In hallway adjacent to 236	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW10947	In Classroom 303	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW10949	In Classroom 302	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW10951	In Classroom 326	Combination Sink - Fountain - Bubblers	1.4	Pass	Testing Complete
LW10953	In Classroom 327	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW10955	In Classroom 301	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW10957	In Classroom 216	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW10959	In multipurpose room	Faucet, Cold	<1.0	Pass	Testing Complete
LW10960	In hallway across from gymnasium	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW10961	In hallway across from gymnasium	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW10962	In hallway across from gymnasium	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW10963	In Classroom 117	Faucet, Cold	<1.0	Pass	Testing Complete
LW10964	In Classroom 116D	Ice Machine	<1.0	Pass	Testing Complete
LW10965	In Classroom 116D	Faucet, Cold	<1.0	Pass	Testing Complete
LW10966	In Classroom 116C	Combination Sink - Faucet, Cold	<1.0	Pass	Testing Complete
LW11000	In Classroom 105	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11001	In Classroom 107	Faucet, Cold	<1.0	Pass	Testing Complete
LW11003	In hallway outside of multipurpose room	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW11004	In hallway across from multipurpose room	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW11005	In hallway across from multipurpose room	Bottle Filler/Drinking Fountain Combo Unit - Cooler/Chiller (Refrigerated)	<1.0	Pass	Testing Complete
LW11006	Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW11007	Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW11008	Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW11009	Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW11010	Kitchen	Faucet, Cold	<1.0	Pass	Testing Complete
LW11022	In Classroom 308	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11024	In Classroom 307	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11026	In Classroom 306	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW11028	In Classroom 305	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11030	In Classroom 304	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11206	In Classroom 121 IM	Faucet, Cold	3.7	Pass	Testing Complete
LW11208	In Classroom 120 Music	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11210	In Classroom 125	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11211	In Classroom 119	Combination Sink - Faucet, Cold	<1.0	Pass	Testing Complete
LW11212	In Classroom 119	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11213	In Classroom 118	Faucet, Cold	<1.0	Pass	Testing Complete
LW11215	In Classroom 101	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11217	In Classroom 115	Combination Sink - Fountain - Bubblers	2.1	Pass	Testing Complete
LW11218	In Classroom 114	Faucet, Cold	1.4	Pass	Testing Complete
LW11220	In Classroom 102	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11222	In Classroom 103	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11223	In Classroom 112	Faucet, Cold	3.7	Pass	Testing Complete
LW11225	In Classroom 111	Combination Sink - Faucet, Cold	<1.0	Pass	Testing Complete
LW11226	In Classroom 111	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11228	In Classroom 110	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11230	In Classroom 109	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11231	In Classroom 104	Faucet, Cold	<1.0	Pass	Testing Complete
LW11375	In Classroom 211	Faucet, Cold	1.5	Pass	Testing Complete
LW11377	In Classroom 218	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11379	In Classroom 219	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11381	In Classroom 208	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11383	In Classroom 220	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11385	In Classroom 207	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11387	In Classroom 221	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11389	In Classroom 206	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11391	In Classroom 222	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11393	In Classroom 205	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11395	In Classroom 204	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11398	In Classroom 203	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11400	In Classroom 202	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11401	227 Teachers Lounge	Faucet, Cold	<1.0	Pass	Testing Complete
LW11402	In Classroom 226	Faucet, Cold	<1.0	Pass	Testing Complete
LW11404	In Classroom 201	Combination Sink - Fountain - Bubblers	<1.0	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>
LW11406	In Classroom 233	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11408	In Classroom 231	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11410	In Classroom 230	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete
LW11413	In Classroom 124	Combination Sink - Fountain - Bubblers	<1.0	Pass	Testing Complete

# Montgomery County Public Schools Lead in Drinking Water Testing Report

Luxmanor Elementary School  
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Rockville, MD 20852

Report Date: March 22<sup>nd</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	12/02/2021
# of Outlets Tested	113
# of Outlets $\geq$ 5 ppb	6

## 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

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## **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.

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## **ADDITIONAL INFORMATION**

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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 Luxmanor ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW04792	In classroom 122	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW04793	In hallway outside of 213	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW04794	In hallway adjacent to 236	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW04795	In room 233	Teacher's Lounge Sink	3.3	Pass	N/A	Testing Complete
LW04796	In classroom 233	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW10946	In classroom 303	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW10947	In classroom 303	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW10948	In classroom 302	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW10949	In classroom 302	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW10950	In classroom 326	Classroom Sink	2.3	Pass	N/A	Testing Complete
LW10951	In classroom 326	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW10952	In classroom 327	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW10953	In classroom 327	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW10954	In classroom 301	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW10955	In classroom 301	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW10956	In classroom 216	Classroom Sink	2.7	Pass	N/A	Testing Complete
LW10957	In classroom 216	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW10959	In multipurpose room	Kitchen Sink	<1.0	Pass	N/A	Testing Complete
LW10960	In hallway adjacent to gymnasium	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW10961	In hallway adjacent to gymnasium	Bottle Filler	<1.0	Pass	N/A	Testing Complete
LW10962	In hallway adjacent to gymnasium	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW10963	In room 117	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW10964	In nurse suite 116D	Ice Machine	<1.0	Pass	N/A	Testing Complete
LW10965	In nurse suite 116D	Nurses Office Sink	<1.0	Pass	N/A	Testing Complete
LW10966	In nurse suite 116C	Nurses Office Sink	6.3	Fail	2.2	Testing Complete
LW10967	In nurse suite 116C	Nurses Office Sink	27.0	Fail	<1	Testing Complete
LW10998	In classroom 104	Bubbler - Indoor	5.9	Fail	Device Removed	Testing Complete
LW10999	In room 105	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11000	In classroom 105	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11001	In room 107	Classroom Combination Sink	2.4	Pass	N/A	Testing Complete

LW11002	In classroom 107	Bubbler - Indoor	13.0	Fail	Device Removed	Testing Complete
LW11003	In hallway adjacent to multipurpose room	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW11004	In hallway adjacent to multipurpose room	Bottle Filler	<1.0	Pass	N/A	Testing Complete
LW11005	In hallway adjacent to multipurpose room	Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW11006	In kitchen	Kitchen Sink	<1.0	Pass	N/A	Testing Complete
LW11007	In kitchen	Kitchen Sink	<1.0	Pass	N/A	Testing Complete
LW11008	In kitchen	Kitchen Sink	<1.0	Pass	N/A	Testing Complete
LW11009	In kitchen	Kitchen Sink	<1.0	Pass	N/A	Testing Complete
LW11010	In kitchen	Kitchen Sink	<1.0	Pass	N/A	Testing Complete
LW11021	In classroom 308	Classroom Sink	<1.0	Pass	N/A	Testing Complete
Lw11022	In classroom 308	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
Lw11023	In classroom 307	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW11024	In classroom 307	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11025	In classroom 306	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW11026	In classroom 306	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11027	In classroom 305	Classroom Sink	<1.0	Pass	N/A	Testing Complete
Lw11028	In classroom 305	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11029	In classroom 304	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW11030	In classroom 304	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
Lw11206	In classroom 121	Classroom Sink	3.6	Pass	N/A	Testing Complete
LW11207	In room 120	Classroom Combination Sink	1.8	Pass	N/A	Testing Complete
LW11208	In classroom 120	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11209	In room 125	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
LW11210	In classroom 125	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11211	In room 119	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
Lw11212	In classroom 119	Bubbler - Indoor	1.1	Pass	N/A	Testing Complete
LW11213	In room 118	Classroom Sink	3.1	Pass	N/A	Testing Complete
LW11214	In room 101	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11215	In classroom 101	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11216	In room 115	Classroom Combination Sink	2.4	Pass	N/A	Testing Complete
LW11217	In classroom 115	Bubbler - Indoor	1.7	Pass	N/A	Testing Complete
LW11218	In room 114	Classroom Sink	1.4	Pass	N/A	Testing Complete
LW11219	In room 102	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete

LW11220	In classroom 102	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11221	In room 103	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11222	In classroom 103	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11223	In room 112	Classroom Combination Sink	1.5	Pass	N/A	Testing Complete
LW11224	In classroom 112	Bubbler - Indoor	5.4	Fail	4.3	Testing Complete
LW11225	In room 111	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11226	In classroom 111	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11227	In room 110	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11228	In classroom 110	Bubbler - Indoor	1.3	Pass	N/A	Testing Complete
LW11229	In room 109	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11230	In classroom 109	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11231	In room 104	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11375	In room 211	Bubbler - Indoor	1.9	Pass	N/A	Testing Complete
LW11376	In classroom 218	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW11377	In classroom 218	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11378	In room 219	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11379	In classroom 219	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11380	In room 208	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11381	In classroom 208	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11382	In room 220	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11383	In classroom 220	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11385	In classroom 207	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11386	In classroom 221	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW11387	In room 221	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW11389	In room 206	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW11390	In room 222	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11391	In classroom 222	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11392	In room 205	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11393	In classroom 205	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11394	In room 204	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11395	In classroom 204	Classroom Combination Drinking Fountain	1.5	Pass	N/A	Testing Complete
LW11397	In room 203	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11398	In room 203	Classroom Combination Drinking Fountain	1.9	Pass	N/A	Testing Complete

LW11399	In room 202	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11400	In room 202	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW11401	In room 227	Teacher's Lounge Sink	<1.0	Pass	N/A	Testing Complete
LW11402	In library 226	Classroom Sink	<1.0	Pass	N/A	Testing Complete
LW11403	In room 201	Classroom Combination Sink	<1.0	Pass	N/A	Testing Complete
LW11404	In room 201	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW11405	In room 232	Classroom Combination Sink	3.2	Pass	N/A	Testing Complete
LW11406	In classroom 232	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11407	In classroom 231	Classroom Combination Sink	1.4	Pass	N/A	Testing Complete
LW11408	In classroom 231	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW11409	In classroom 230	Classroom Combination Sink	2.9	Pass	N/A	Testing Complete
LW11410	In classroom 230	Classroom Combination Drinking Fountain	<1.0	Pass	N/A	Testing Complete
LW11411	In room 123	Classroom Combination Sink	1.6	Pass	N/A	Testing Complete
LW11412	In classroom 123	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LW11413	In art room 124	Bubbler - Indoor	<1.0	Pass	N/A	Testing Complete
LwW11384	In classroom 207	Classroom Sink	<1.0	Pass	N/A	Testing Complete
M33375	In room 121	Classroom Combination Drinking Fountain	7.1	Fail	Device Removed	Testing Complete



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

April 27, 2018

**Executive Summary:**  
**Luxmanor Elementary School**  
6201 Tilden Lane  
Rockville, Maryland 20852

Round of Testing:	Initial
# of Outlets Tested:	54
# of Outlets $\geq 20$ ppb:	1
Low Value (ppb):	<1.0
High Value (ppb):	80.0
Follow-Up Testing Required (Samples $\geq 20$ ppb):	Kitchen (80.0 ppb)

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

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

Kitchen - Replace fixture (M22398), in addition to supply line and valve located under sink



April 27, 2018

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

Re: Drinking Water Testing

KCI Job #1214634189

**Location: Luxmanor Elementary School**

6201 Tilden Lane  
Rockville, Maryland 20852

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 and follow-up lead in water testing at Luxmanor Elementary School, located at 6201 Tilden Lane in Rockville, Maryland 20852.

**SCOPE OF SERVICES**

KCI conducted lead in water testing at Luxmanor 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 3/1/2018 and 3/2/2018 to collect samples from 54 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. On 4/12/2018, one 30 second follow-up sample was collected.

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 was one result of the 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:

<b>Barcode ID</b>	<b>Sample Location</b>	<b>Date Collected</b>	<b>Initial Sample Result (ppb)</b>	<b>Date Collected</b>	<b>30 Second Follow Up Sample Result (ppb)</b>
M22398	Faucet - Kitchen	3/2/2018	80.0	4/12/2018	ND

The initial lead in water sample results (3/2/2018) and 30 second follow up results (4/12/2018) 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.



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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.

Initial Sample Results for Luxmanor Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04753		Health Room		Faucet	1.2	Pass	Testing Complete
LW04754		Work Room Administration		Faucet	2.7	Pass	Testing Complete
LW04755		Break Room		Faucet	3.0	Pass	Testing Complete
LW04756	K2	Classroom		Faucet	3.6	Pass	Testing Complete
LW04759	K1	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04760	K1	Classroom		Faucet	1.3	Pass	Testing Complete
LW04761	1	Classroom		Faucet	6.8	Pass	Testing Complete
LW04763	2	Classroom		Faucet	4.9	Pass	Testing Complete
LW04764	2	Classroom		Bubbler - Indoor	1.9	Pass	Testing Complete
LW04765	3	Classroom		Faucet	6.8	Pass	Testing Complete
LW04766	3	Classroom		Bubbler - Indoor	4.6	Pass	Testing Complete
LW04767	4	Classroom		Faucet	3.9	Pass	Testing Complete
LW04768	4	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW04769	6	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04770	7	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04771	8	Classroom		Faucet	4.3	Pass	Testing Complete
LW04772	8	Classroom		Bubbler - Indoor	3.0	Pass	Testing Complete
LW04773	9	Classroom		Faucet	1.0	Pass	Testing Complete
LW04774	9	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04776	10	Classroom		Faucet	3.4	Pass	Testing Complete
LW04777	5	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04778		Work Room Media Center		Faucet	1.6	Pass	Testing Complete
LW04779	11	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW04780	11	Classroom		Faucet	6.3	Pass	Testing Complete
LW04781	11	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04782	12	Classroom		Faucet	2.3	Pass	Testing Complete
LW04783	13	Classroom		Faucet	1.5	Pass	Testing Complete
LW04784	14	Classroom		Faucet	4.9	Pass	Testing Complete
LW04785	100	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04786	100	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04787	101	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04788	101	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04789	102	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04790	102	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04791	103	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04792	103	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04793	213	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04794	213	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04795	212	ESOL		Faucet	3.2	Pass	Testing Complete
LW04796	212	ESOL		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04797	201	Classroom		Faucet	1.3	Pass	Testing Complete
LW04798	201	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04799	202	Classroom		Faucet	1.1	Pass	Testing Complete
LW04800	202	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW04801	203	Classroom		Faucet	<1.0	Pass	Testing Complete
LW04802	203	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M22395		Kitchen		Faucet	3.9	Pass	Testing Complete
M22396		Kitchen		Faucet	2.6	Pass	Testing Complete
M22398		Kitchen		Faucet	80.0	Fail	Follow-up Testing Needed
M22399		Kitchen		Faucet	15.3	Pass	Testing Complete
M22407	5	Classroom		Faucet	8.2	Pass	Testing Complete
M22434	12	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M22436	13	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M22438	14	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

\*PPB = parts per billion

**Contractor:** KCI Technologies, Inc.  
**Certified Laboratory:** Microbac Laboratories, Inc.

Follow Up Sample Result for Luxmanor Elementary School

Barcode ID	Room #	Location	Equipment Type	Initial Draw (2nd) (PPB)	Initial Draw (3rd) (PPB)	30 Second Draw (PPB)*	Status
M22398		Kitchen	Faucet	4.0	2.3	ND	Remediation required – replace fixture, in addition to supply line and valve located under sink

\*PPB = parts per billion

Note: Fixture(s) with elevated test results were immediately removed from service. Subsequent 2nd and 3rd round testing was performed on these fixture(s) for further diagnostics for remediation. Because the fixture was shut off after the first test, the subsequent test results may not be representative of an in-use fixture because of stagnant water in the supply line and the operation of shut off valves prior to the tests. All fixtures with elevated test results are to be remediated. After remediation, post remediation testing will be conducted before the fixture is returned to service.