

Montgomery County Public Schools Lead in Drinking Water Testing Report

Lois P. Rockwell Elementary School
24555 Cutsail Drive
Damascus, MD 20872

Report Date: February 18th, 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	10/27/2021
# of Outlets Tested	74
# of Outlets \geq 5 ppb	15

NEXT STEPS

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

HEALTH EFFECTS OF LEAD

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

SOURCES OF HUMAN EXPOSURE TO LEAD

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

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

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

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

ADDITIONAL INFORMATION

1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or brian_a_mullikin@mcpsmd.org.
2. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead.
3. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

Please refer to the attachment(s) for additional water sampling information.

Attachment(s) A – Lead in Water Sample Results Table

ATTACHMENT A

Lead in Water Sample Results Table

Sampling Results for Lois P. Rockwell ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
E41540	In music room	Classroom Combination Sink	3.3	Pass	N/A	Testing Complete
E41596	In kitchen by kitchen	Kitchen Sink	1.4	Pass	N/A	Testing Complete
E41597	In kitchen	Kitchen Sink	6.7	Fail	2.3	Testing Complete
E41598	In kitchen by all purpose room	Kitchen Sink	4.5	Pass	N/A	Testing Complete
E41599	In kitchen by all purpose room	Kitchen Sink	3.0	Pass	N/A	Testing Complete
E41601	In hallway next to Jan. Clos. 2	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05140	In hallway adjacent to mechanical room 4	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05141	In classroom 14	Classroom Sink	8.1	Fail	6.6	Testing Complete
LW05143	In classroom B13	Classroom Combination Sink	4.5	Pass	N/A	Testing Complete
LW05144	In classroom B13	Classroom Combination Drinking Fountain	8.3	Fail	3.7	Testing Complete
LW05145	In classroom B12	Classroom Combination Sink	2.6	Pass	N/A	Testing Complete
LW05146	In classroom B12	Classroom Combination Drinking Fountain	4.7	Pass	N/A	Testing Complete
LW05147	In classroom B11	Classroom Combination Sink	4.0	Pass	N/A	Testing Complete
LW05149	In media center office	Classroom Sink	5.6	Fail	5.0	Testing Complete
LW05150	In break room	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW05152	In work room	Ice Machine	<1	Pass	N/A	Testing Complete
LW05153	In work room	Bottle Filler	<1	Pass	N/A	Testing Complete
LW05154	In work room	Classroom Sink	<1	Pass	N/A	Testing Complete
LW05155	In health room	Nurses Office Sink	1.8	Pass	N/A	Testing Complete
LW05156	In health room	Classroom Combination Drinking Fountain	3.9	Pass	N/A	Testing Complete
LW05157	In classroom A1	Classroom Combination Sink	2.8	Pass	N/A	Testing Complete
LW05159	In classroom A1	Classroom Sink	3.6	Pass	N/A	Testing Complete
LW05160	In pep room inside of classroom A1	Classroom Sink	1.8	Pass	N/A	Testing Complete
LW05161	In classroom A2	Classroom Sink	7.6	Fail	5.0	Testing Complete
LW05162	In classroom A2	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05163	In classroom A2	Classroom Sink	3.0	Pass	N/A	Testing Complete
LW05164	In hallway by classroom ie. next to A3	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05165	In hallway by classroom ie. next to A3	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05166	In classroom A3	Teacher's Lounge Sink	2.9	Pass	N/A	Testing Complete
LW05167	In classroom A3	Classroom Combination Sink	1.5	Pass	N/A	Testing Complete

LW05168	In classroom A3	Classroom Combination Drinking Fountain	7.3	Fail	2.9	Testing Complete
LW05169	In classroom A4	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW05170	In classroom A4	Classroom Combination Drinking Fountain	5.3	Fail	1.8	Testing Complete
LW05171	In classroom A5	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW05172	In classroom A6	Teacher's Lounge Sink	2.4	Pass	N/A	Testing Complete
LW05173	In classroom A6	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05174	In classroom A7	Teacher's Lounge Sink	1.8	Pass	N/A	Testing Complete
LW05175	In classroom A7	Classroom Combination Drinking Fountain	2.9	Pass	N/A	Testing Complete
LW05176	In classroom A8	Teacher's Lounge Sink	2.4	Pass	N/A	Testing Complete
LW05177	In classroom A8	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05178	In classroom A9	Teacher's Lounge Sink	1.7	Pass	N/A	Testing Complete
LW05179	In classroom A9	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW05180	In classroom A10	Teacher's Lounge Sink	3.5	Pass	N/A	Testing Complete
LW05181	In classroom A10	Classroom Combination Drinking Fountain	3.1	Pass	N/A	Testing Complete
LW05182	In classroom A11	Teacher's Lounge Sink	2.0	Pass	N/A	Testing Complete
LW05183	In classroom A11	Classroom Combination Drinking Fountain	7.6	Fail	1.2	Testing Complete
LW05184	In classroom A12	Classroom Combination Drinking Fountain	6.5	Fail	3.5	Testing Complete
LW05185	In classroom A12	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW05186	In hallway next to Jan. Clos. 2	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06336	In classroom B1	Classroom Combination Sink	5.0	Fail	4.3	Testing Complete
LW06337	In classroom B1	Bubbler - Indoor	10.1	Fail	4.9	Testing Complete
LW06338	In classroom B2	Classroom Combination Sink	2.8	Pass	N/A	Testing Complete
LW06339	In classroom B2	Classroom Combination Drinking Fountain	5.0	Fail	4.2	Testing Complete
LW06340	In classroom B3	Classroom Combination Sink	2.7	Pass	N/A	Testing Complete
LW06341	In classroom B3	Classroom Combination Drinking Fountain	2.7	Pass	N/A	Testing Complete
LW06342	In classroom B4	Classroom Combination Sink	4.4	Pass	N/A	Testing Complete
LW06344	In hallway by classroom ie. next to B4	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06345	In hallway by classroom ie. next to B4	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06346	In classroom B5	Classroom Combination Sink	2.1	Pass	N/A	Testing Complete
LW06348	In classroom B6	Classroom Combination Sink	3.0	Pass	N/A	Testing Complete
LW06349	In classroom B6	Classroom Combination Drinking Fountain	2.4	Pass	N/A	Testing Complete
LW06350	In classroom B7	Classroom Combination Sink	2.5	Pass	N/A	Testing Complete
LW06351	In classroom B7	Classroom Combination Drinking Fountain	3.6	Pass	N/A	Testing Complete

LW06352	In classroom B8	Classroom Combination Sink	2.2	Pass	N/A	Testing Complete
LW06354	In classroom B9	Classroom Combination Sink	2.1	Pass	N/A	Testing Complete
LW06355	In classroom B9	Classroom Combination Drinking Fountain	9.3	Fail	4.4	Testing Complete
LW06356	In classroom B10	Classroom Combination Sink	3.4	Pass	N/A	Testing Complete
LW06358	Classroom Art	Classroom Combination Sink	1.5	Pass	N/A	Testing Complete
LW06360	Classroom Art	Classroom Sink	1.3	Pass	N/A	Testing Complete
LW06361	In hallway adjacent to janitor closet 4	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10615	In multi purpose room	Classroom Sink	6.0	Fail	5.1	Testing Complete
LW10616	Adjacent classroom B4	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10617	In hallway next to hallway Jan. clos. 2	Bottle Filler	<1	Pass	N/A	Testing Complete
M05027	In music storage Band	Classroom Sink	13.9	Fail	4.7	Testing Complete



Montgomery County Public Schools Lead in Drinking Water Testing 2018

June 11, 2018

Executive Summary:

Lois P. Rockwell Elementary School

24555 Cutsail Drive

Damascus, Maryland 20872

Round of Testing:	Initial
# of Outlets Tested:	80
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	15.0

Project Status:

Testing Complete: All results less than 20 ppb.



June 11, 2018

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

Re: Drinking Water Testing

KCI Job #1214634191

Location: Lois P. Rockwell Elementary School

24555 Cutsail Drive
Damascus, Maryland 20872

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 Lois P. Rockwell Elementary School, located at 24555 Cutsail Drive in Damascus, Maryland 20872.

SCOPE OF SERVICES

KCI conducted lead in water testing at Lois P. Rockwell 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 3/22/2018 and 3/23/2018 to collect samples from 80 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.

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 3/23/2018 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 Lois P. Rockwell Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
E41539		Music		Faucet	3.2	Pass	Testing Complete
E41540		Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
E41541		Music Dual Purpose Room		Faucet	9.4	Pass	Testing Complete
E41542		Music Dual Purpose Room		Bubbler - Indoor	14.2	Pass	Testing Complete
E41596		Kitchen		Faucet	1.6	Pass	Testing Complete
E41597		Kitchen All Purpose Room		Faucet	5.7	Pass	Testing Complete
E41598		Kitchen All Purpose Room		Faucet	4.2	Pass	Testing Complete
E41599		Kitchen All Purpose Room		Faucet	1.5	Pass	Testing Complete
E41601		Hallway	Next to JC 2	Cooler	<1.0	Pass	Testing Complete
LW05140		Hallway	Next To Mech Room 4	Cooler	<1.0	Pass	Testing Complete
LW05141	B14	Classroom		Faucet	7.1	Pass	Testing Complete
LW05142	B14	Classroom		Bubbler - Indoor	12.2	Pass	Testing Complete
LW05143	B13	Classroom		Faucet	1.8	Pass	Testing Complete
LW05144	B13	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05145	B12	Classroom		Faucet	2.4	Pass	Testing Complete
LW05146	B12	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW05147	B11	Classroom		Faucet	2.1	Pass	Testing Complete
LW05148	B11	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW05149		Media Center Office		Faucet	2.9	Pass	Testing Complete
LW05150		Break Room		Faucet	<1.0	Pass	Testing Complete
LW05152		Work Room		Icemaker	<1.0	Pass	Testing Complete
LW05153		Work Room		Icemaker	<1.0	Pass	Testing Complete
LW05154		Work Room		Faucet	<1.0	Pass	Testing Complete
LW05155		Health Room		Faucet	<1.0	Pass	Testing Complete
LW05156		Health Room		Bubbler - Indoor	3.5	Pass	Testing Complete
LW05157	A1	Classroom		Faucet	2.5	Pass	Testing Complete
LW05158	A1	Classroom		Bubbler - Indoor	15.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW05159	A1	Classroom		Faucet	1.9	Pass	Testing Complete
LW05160	PEPCR	Other (See Location Notes)	Inside Of A1	Faucet	1.3	Pass	Testing Complete
LW05161	A2	Classroom		Faucet	2.7	Pass	Testing Complete
LW05162	A2	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05163	A2	Classroom		Faucet	1.4	Pass	Testing Complete
LW05164		Hallway Classroom	Next To A3	Cooler	<1.0	Pass	Testing Complete
LW05165		Hallway Classroom	Next To A3	Cooler	<1.0	Pass	Testing Complete
LW05166	A3	Classroom		Faucet	1.9	Pass	Testing Complete
LW05167	A3	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05168	A3	Classroom		Bubbler - Indoor	2.2	Pass	Testing Complete
LW05169	A4	Classroom		Faucet	1.0	Pass	Testing Complete
LW05170	A4	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05171	A5	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05172	A6	Classroom		Faucet	3.1	Pass	Testing Complete
LW05173	A6	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05174	A7	Classroom		Faucet	1.3	Pass	Testing Complete
LW05175	A7	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
LW05176	A8	Classroom		Faucet	2.0	Pass	Testing Complete
LW05177	A8	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05178	A9	Classroom		Faucet	1.6	Pass	Testing Complete
LW05179	A9	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW05180	A10	Classroom		Faucet	2.3	Pass	Testing Complete
LW05181	A10	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
LW05182	A11	Classroom		Faucet	1.8	Pass	Testing Complete
LW05183	A11	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
LW05185	A12	Classroom		Faucet	<1.0	Pass	Testing Complete
LW05186		Hallway	Next To Jan. Clos. 2	Cooler	<1.0	Pass	Testing Complete
LW06336	B1	Classroom		Faucet	3.3	Pass	Testing Complete
LW06337	B1	Classroom		Bubbler - Indoor	2.2	Pass	Testing Complete
LW06338	B2	Classroom		Faucet	1.7	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW06339	B2	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
LW06340	B3	Classroom		Faucet	1.9	Pass	Testing Complete
LW06341	B3	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW06342	B4	Classroom		Faucet	3.8	Pass	Testing Complete
LW06343	B4	Classroom		Bubbler - Indoor	1.9	Pass	Testing Complete
LW06344		Hallway	Next To B4	Cooler	<1.0	Pass	Testing Complete
LW06345		Hallway	Next To B4	Cooler	<1.0	Pass	Testing Complete
LW06346	B5	Classroom		Faucet	1.9	Pass	Testing Complete
LW06347	B5	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06348	B6	Classroom		Faucet	1.5	Pass	Testing Complete
LW06349	B6	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW06350	B7	Classroom		Faucet	3.0	Pass	Testing Complete
LW06351	B7	Classroom		Bubbler - Indoor	1.8	Pass	Testing Complete
LW06352	B8	Classroom		Faucet	2.5	Pass	Testing Complete
LW06353	B8	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06354	B9	Classroom		Faucet	2.4	Pass	Testing Complete
LW06355	B9	Classroom		Bubbler - Indoor	1.8	Pass	Testing Complete
LW06356	B10	Classroom		Faucet	2.1	Pass	Testing Complete
LW06357	B10	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
LW06358		Art		Faucet	<1.0	Pass	Testing Complete
LW06360		Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW06361		Hallway	Next To Mech Room 4	Cooler	<1.0	Pass	Testing Complete
M05027		Music Storage	Band	Faucet	3.9	Pass	Testing Complete

*PPB = parts per billion