

Montgomery County Public Schools Lead in Drinking Water Testing Report

Rock View Elementary School
3901 Denfeld Ave,
Kensington, MD 20895

Report Date: June 16th, 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	3/15/23
# of Outlets Tested	46
# of Outlets \geq 5 ppb	22

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.
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 Rock View ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW02865	In classroom 186	Classroom Combination Drinking Fountain	5.5	Fail	Remediation Action Plan
LW02867	In classroom 185	Classroom Combination Drinking Fountain	1.7	Pass	Testing Complete
LW02869	In classroom 188	Classroom Combination Drinking Fountain	2.8	Pass	Testing Complete
LW02871	In classroom 190	Classroom Combination Drinking Fountain	3.2	Pass	Testing Complete
LW02872	In break room 125	Teachers Lounge Sink	4.7	Pass	Testing Complete
LW02879	In classroom 217	Classroom Combination Drinking Fountain	4.4	Pass	Testing Complete
LW02881	Classroom 214	Classroom Combination Drinking Fountain	8.0	Fail	Remediation Action Plan
LW02883	In classroom 216	Classroom Combination Drinking Fountain	7.6	Fail	Remediation Action Plan
LW02885	In classroom 218	Classroom Combination Drinking Fountain	5.3	Fail	Remediation Action Plan
LW02887	In classroom 220	Classroom Combination Drinking Fountain	<1.0	Pass	Testing Complete
LW02889	In classroom 222	Classroom Combination Drinking Fountain	5	Fail	Remediation Action Plan
LW02937	In classroom 148	Classroom Combination Drinking Fountain	11.8	Fail	Remediation Action Plan
LW02939	In classroom 162	Classroom Combination Drinking Fountain	2.4	Pass	Testing Complete
LW02942	In classroom 153	Classroom Combination Drinking Fountain	7.9	Fail	Remediation Action Plan
LW02957	In kitchen 116C by all purpose room	Kitchen Sink	2.7	Pass	Testing Complete
LW02958	In health room 102 by administration	Nurses Office Sink	3.2	Pass	Testing Complete
LW02960	In therapy 163	Classroom Combination Drinking Fountain	5.4	Fail	Remediation Action Plan
LW02962	In classroom 161	Classroom Combination Drinking Fountain	3.5	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW02968	In classroom 166	Classroom Combination Drinking Fountain	5.5	Fail	Remediation Action Plan
LW02970	In classroom 184	Classroom Combination Drinking Fountain	2.6	Pass	Testing Complete
LW02972	In classroom 182	Classroom Combination Drinking Fountain	3.0	Pass	Testing Complete
LW02974	In music 181	Classroom Combination Drinking Fountain	4.2	Pass	Testing Complete
LW02976	In hallway adjacent to room 127	Drinking Fountain	3.3	Pass	Testing Complete
LW02977	In classroom 138	Classroom Combination Drinking Fountain	5.3	Fail	Remediation Action Plan
LW02979	In classroom 140	Classroom Combination Drinking Fountain	4.4	Pass	Testing Complete
LW02981	In work room 141	Classroom Combination Drinking Fountain	7.6	Fail	Remediation Action Plan
LW02982	In classroom 221	Classroom Combination Drinking Fountain	8.5	Fail	Remediation Action Plan
LW02986	In classroom 203	Classroom Combination Drinking Fountain	3.5	Pass	Testing Complete
LW02988	In classroom 205	Classroom Combination Drinking Fountain	5.3	Fail	Remediation Action Plan
LW02990	In classroom 207	Classroom Combination Drinking Fountain	6.4	Fail	Remediation Action Plan
LW02992	In classroom 209	Classroom Combination Drinking Fountain	1.1	Pass	Testing Complete
LW02994	In classroom 211	Classroom Combination Drinking Fountain	5.5	Fail	Remediation Action Plan
LW02996	In classroom 213	Classroom Combination Drinking Fountain	5.0	Fail	Remediation Action Plan
LW02997	In hallway 213 outside of	Drinking Fountain	1.8	Pass	Testing Complete
LW03010	In classroom 126	Classroom Combination Drinking Fountain	4.7	Pass	Testing Complete
LW03011	In hallway 116 outside of	Drinking Fountain	5.7	Fail	Remediation Action Plan
LW03016	In classroom 111	Classroom Combination Drinking Fountain	8.5	Fail	Remediation Action Plan
LW03018	In art 112	Classroom Combination Drinking Fountain	8.9	Fail	Remediation Action Plan

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW03019	In speech therapy 109	Classroom Combination Sink	8.4	Fail	Remediation Action Plan
M03189	In hallway 109 hall across from 109	Drinking Fountain	2.0	Pass	Testing Complete
M03204	In kitchen 116C by all purpose room	Kitchen Sink	6.8	Fail	Remediation Action Plan
M03205	In kitchen 116C by all purpose room	Kitchen Sink	1.7	Pass	Testing Complete
M03206	In kitchen 116C by kitchen	Kitchen Sink	<1.0	Pass	Testing Complete
M03249	In hallway 150 hall right of 148	Drinking Fountain	2.9	Pass	Testing Complete
LW11798	100C	Teachers lounge sink	10.0	Fail	Remediation Action Plan
LW11797	HW-Next 158	Drinking Fountain	2.9	Pass	Testing Complete
LW12787	HW-Next 158	Drinking Fountain	<1.0	Pass	Testing Complete
LW11796	HW-NEXT CR203	Drinking Fountain	<1.0	Pass	Testing Complete

Montgomery County Public Schools Lead in Drinking Water Testing Report

Rock View Elementary School
3901 Denfeld Ave
Kensington, MD 20895

Report Date: March 10th, 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	2/13/2020
# of Outlets Tested	97
# 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.

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 Rock View ES

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW02865	In classroom 186	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02866	In classroom 185	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02867	In classroom 185	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02868	In classroom 188	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02869	In classroom 188	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02870	In classroom 190	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02871	In classroom 190	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02872	In break room 125	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW02873	In classroom 132	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02874	In classroom 132	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02875	In classroom 130	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02876	In classroom 130	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02877	In classroom 128	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02878	In classroom 217	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02879	In classroom 217	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02880	In classroom 214	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02882	In classroom 216	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02883	In classroom 216	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02884	In classroom 218	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02885	In classroom 218	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02886	In classroom 220	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02887	In classroom 220	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02888	In classroom 222	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02889	In classroom 222	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02890	In classroom 221	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02929	In classroom 172	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02930	In work room 141	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW02931	In classroom 142	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02932	In classroom 142	Classroom Combination Sink	1.2	Pass	N/A	Testing Complete
LW02933	In classroom 144	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02934	In classroom 144	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02935	In classroom 146	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02936	In classroom 146	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02937	In classroom 148	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02938	In classroom 148	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02939	In classroom 162	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02940	In classroom 162	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02941	In classroom 153	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02942	In classroom 153	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02956	In classroom 172	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02957	In kitchen 116C by all purpose room	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW02958	In health room 102 by administration	Nurses Office Sink	3.2	Pass	N/A	Testing Complete
LW02959	In classroom 163	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02960	In therapy 163	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02961	In classroom 161	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02962	In classroom 161	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02963	In classroom 170	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02964	In classroom 170	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02965	In classroom 168	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02966	In classroom 168	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02967	In classroom 166	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02968	In classroom 166	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02969	In classroom 186	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02970	In classroom 184	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02971	In classroom 184	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02972	In classroom 182	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02973	In classroom 182	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02974	In music 181	Classroom Combination Drinking Fountain	1.8	Pass	N/A	Testing Complete

LW02975	In music 181	Classroom Combination Sink	1.7	Pass	N/A	Testing Complete
LW02976	In hallway adjacent to room 127	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02977	In classroom 138	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02978	In classroom 138	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02979	In classroom 140	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02980	In classroom 140	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02981	In work room 141	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02982	In classroom 221	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02983	In classroom 219	Classroom Combination Sink	1.3	Pass	N/A	Testing Complete
LW02984	In classroom 219	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02985	In classroom 203	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02986	In classroom 203	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02988	In classroom 205	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02989	In classroom 207	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02990	In classroom 207	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02991	In classroom 209	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02992	In classroom 209	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02993	In classroom 211	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02994	In classroom 211	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02995	In classroom 213	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW02996	In classroom 213	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW02997	In hallway 213 outside of	Drinking Fountain	4.0	Pass	N/A	Testing Complete
LW03008	In classroom 128	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03009	In classroom 126	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03010	In classroom 126	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03011	In hallway 116 outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03012	In hallway 116 outside of	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03013	In Choral 114	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03014	In Choral 114	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03015	In classroom 111	Classroom Combination Sink	2.4	Pass	N/A	Testing Complete
LW03016	In classroom 111	Classroom Combination Drinking Fountain	1.3	Pass	N/A	Testing Complete

LW03018	In art 112	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW03019	In speech therapy 109	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW03020	In speech therapy 109	Classroom Combination Drinking Fountain	1.5	Pass	N/A	Testing Complete
M03189	In hallway 109 hall across from 109	Drinking Fountain	<1	Pass	N/A	Testing Complete
M03204	In kitchen 116C by all purpose room	Kitchen Sink	<1	Pass	N/A	Testing Complete
M03205	In kitchen 116C by all purpose room	Kitchen Sink	1.8	Pass	N/A	Testing Complete
M03206	In kitchen 116C by kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M03249	In hallway 150 hall right of 148	Drinking Fountain	<1	Pass	N/A	Testing Complete



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

October 30, 2019

Executive Summary:
Rock View Elementary School
3901 Denfeld Avenue
Kensington, Maryland 20895

Round of Testing:	Post-Remediation Follow-up
Sample Date	1/29/2019
# of Outlets Tested:	1
# of Outlets \geq 5 ppb:	1
Low Value (ppb):	18.3
High Value (ppb):	18.3

Project Status

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

Classroom 205 - Outlet (LW02987) 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: Rock View Elementary School

3901 Denfeld Avenue
Kensington, Maryland 20895

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 Rock View Elementary School, located at 3901 Denfeld Avenue in Kensington, Maryland 20895.

SCOPE OF SERVICES

One drinking water outlet was remediated at Rock View Elementary 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 1/29/2019 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
LW02987	205	Classroom		Faucet	40.6	ND	18.3	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 Lead in Drinking Water Testing 2018

April 27, 2018

Executive Summary:
Rock View Elementary School
3901 Denfeld Avenue
Kensington, Maryland 20895

Round of Testing:	Initial
# of Outlets Tested:	96
# of Outlets ≥ 20 ppb:	1
Low Value (ppb):	<1.0
High Value (ppb):	40.6
Follow-Up Testing Required (Samples ≥ 20 ppb):	Classroom 205 (40.6 ppb)

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

Project Status:
Testing Complete: Remediation Plan

Classroom 205 - Replace fixture (LW02987), 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 #1214634186

Location: Rock View Elementary School

3901 Denfeld Avenue
Kensington, Maryland 20895

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 Rock View Elementary School, located at 3901 Denfeld Avenue in Kensington, Maryland 20895.

SCOPE OF SERVICES

KCI conducted lead in water testing at Rock View 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 2/7/2018 and 2/8/2018 to collect samples from 96 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 4/11/2018, 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.

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:

Barcode ID	Sample Location	Date Collected	Initial Sample Result (ppb)	Date Collected	30 Second Follow Up Sample Result (ppb)
LW02987	Faucet - Classroom 205	2/8/2018	40.6	4/11/2018	ND

The initial lead in water sample results (2/8/2018) and 30 second follow up results (4/11/2018) 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.).

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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.

Initial Sample Results for Rock View Elementary School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02865	186	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02866	185	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02867	185	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02868	188	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02870	190	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02871	190	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02872	125	Break Room		Faucet	<1.0	Pass	Testing Complete
LW02873	132	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02874	132	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02875	130	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02876	130	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02877	128	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02878	217	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02879	217	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02880	214	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02882	216	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02883	216	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02884	218	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02885	218	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02886	220	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02887	220	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02888	222	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02889	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02890	221	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02929	172	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02930	141	Work Room		Faucet	<1.0	Pass	Testing Complete
LW02931	142	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02932	142	Classroom		Faucet	1.8	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02933	144	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02934	144	Classroom		Faucet	2.5	Pass	Testing Complete
LW02935	146	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02936	146	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02937	148	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02938	148	Classroom		Faucet	1.3	Pass	Testing Complete
LW02939	162	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02941	153	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02942	153	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02956	172	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02957	116C	Kitchen All Purpose Room		Faucet	1.1	Pass	Testing Complete
LW02958	102	Health Room Administration		Faucet	<1.0	Pass	Testing Complete
LW02959	163	Classroom		Faucet	2.2	Pass	Testing Complete
LW02960	163	Therapy		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02961	161	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02962	161	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02963	170	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02964	170	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02965	168	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02966	168	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02967	166	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02968	166	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02969	186	Classroom		Faucet	1.2	Pass	Testing Complete
LW02970	184	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02971	184	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02972	182	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02973	182	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02974	181	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02975	181	Music		Faucet	1.8	Pass	Testing Complete
LW02976	127	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW02977	138	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02978	138	Classroom		Faucet	1.5	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW02979	140	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02980	140	Classroom		Faucet	1.1	Pass	Testing Complete
LW02981	141	Work Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02982	221	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02983	219	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02984	219	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02985	203	Classroom		Faucet	<1.0	Pass	Testing Complete
LW02987	205	Classroom		Faucet	40.6	Fail	Follow-up Testing Needed
LW02988	205	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02989	207	Classroom		Faucet	1.1	Pass	Testing Complete
LW02990	207	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02991	209	Classroom		Faucet	2.2	Pass	Testing Complete
LW02992	209	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02993	211	Classroom		Faucet	1.9	Pass	Testing Complete
LW02994	211	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02995	213	Classroom		Faucet	3.6	Pass	Testing Complete
LW02996	213	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW02997	213	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW03008	128	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03009	126	Classroom		Faucet	<1.0	Pass	Testing Complete
LW03010	126	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03011	116	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW03012	116	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW03013	114	Choral		Faucet	2.4	Pass	Testing Complete
LW03014	114	Choral		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03015	111	Classroom		Faucet	2.2	Pass	Testing Complete
LW03016	111	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03017	112	Art		Faucet	<1.0	Pass	Testing Complete
LW03018	112	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW03019	109	Speech Therapy		Faucet	<1.0	Pass	Testing Complete
LW03020	109	Speech Therapy		Bubbler - Indoor	<1.0	Pass	Testing Complete
M03189	109	Hallway	Hall Across from 109	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
M03204	116C	Kitchen All Purpose Room		Faucet	4.2	Pass	Testing Complete
M03205	116C	Kitchen All Purpose Room		Faucet	<1.0	Pass	Testing Complete
M03206	116C	Kitchen		Faucet	<1.0	Pass	Testing Complete
M03249	150	Hallway	Hall Right of 148	Cooler	<1.0	Pass	Testing Complete

*PPB = Parts per billion

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Follow Up Sample Result for Rock View Elementary School

Barcode ID	Room #	Location	Equipment Type	Initial Draw (2nd) (PPB)	Initial Draw (3rd) (PPB)	30 Second Draw (PPB)*	Status
LW02987	205	Classroom	Faucet	10.9	15.3	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.