Montgomery County Public Schools
Lead in Drinking Water Testing Report

Sherwood High School
300 Olney-Sandy Spring Road
Sandy Spring, MD 10860

Report Date: February 10th, 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	12/01/2021
# of Outlets Tested	50
# of Outlets ≥ 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 Sherwood HS

Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW04888	In hallway adjacent to 293	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04890	In kitchen 287B by cafeteria	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW04891	In kitchen 287B by cafeteria	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW04892	In kitchen 287B by cafeteria	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW04893	In kitchen 287B by cafeteria	Kitchen Sink	1.6	Pass	N/A	Testing Complete
LW04894	In kitchen 287B by cafeteria	Kitchen Sink	1.4	Pass	N/A	Testing Complete
LW04897	In kitchen 287B by cafeteria	Ice Machine	<1	Pass	N/A	Testing Complete
LW04898	In break room 287A	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW04899	In cafeteria 287	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04900	In cafeteria 287	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04901	In hallway adjacent to 202	Bottle Filler	<1	Pass	N/A	Testing Complete
LW04902	In hallway adjacent to 228	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04903	In hallway adjacent to 239	Bottle Filler	<1	Pass	N/A	Testing Complete
LW04904	In hallway adjacent to 254	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04905	In office 257	Teacher's Lounge Sink	2.4	Pass	N/A	Testing Complete
LW04906	In hallway adjacen to 272	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04907	In hallway adjacent to 275	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04908	In hallway adjacent to 275	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04909	In science office 286	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete
LW04910	In hallway adjacent to 264	Drinking Fountain	3.6	Pass	N/A	Testing Complete
LW04911	In hallway adjacent to 218	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04913	In hallway adjacent to 162	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04914	In hallway adjacent to 162	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04915	In hallway adjacent to 157	Bottle Filler	<1	Pass	N/A	Testing Complete
LW04916	In hallway adjacent to 151	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW04917	In hallway adjacent to 119	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06384	In hallway next to theater	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW06385	In hallway next to theater	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10595	In classroom 218	Classroom Sink	<1	Pass	N/A	Testing Complete
LW10596	In classroom 221	Classroom Sink	<1	Pass	N/A	Testing Complete

LW10597	In hallway adjacent to 293	Bottle Filler	<1	Pass	N/A	Testing Complete
LW10724	In adjacent to 239	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10932	In hallway adjacent to 157	Drinking Fountain	<1	Pass	N/A	Testing Complete
M35588	In cafeteria 287	Drinking Fountain	<1	Pass	N/A	Testing Complete
M35589	In cafeteria 287	Drinking Fountain	<1	Pass	N/A	Testing Complete
M35593	In health room 292	Nurses Office Sink	<1	Pass	N/A	Testing Complete
M35596	In work room by councelor	Teacher's Lounge Sink	1.1	Pass	N/A	Testing Complete
M35609	In work room by media center	Teacher's Lounge Sink	1.3	Pass	N/A	Testing Complete
M35610	In break room 214	Teachers Lounge Sink	3.5	Pass	N/A	Testing Complete
M35614	In classroom 221	Classroom Sink	<1	Pass	N/A	Testing Complete
M35626	In hallway adjacent to 239	Drinking Fountain	<1	Pass	N/A	Testing Complete
M35629	In office 250	Teacher's Lounge Sink	1.2	Pass	N/A	Testing Complete
M35633	In hallway adjacent to 254	Drinking Fountain	<1	Pass	N/A	Testing Complete
M35637	In hallway adjacent to 259	Drinking Fountain	<1	Pass	N/A	Testing Complete
M35638	In hallway adjacent to 259	Drinking Fountain	<1	Pass	N/A	Testing Complete
M36064	In english office 272	Teacher's Lounge Sink	2.5	Pass	N/A	Testing Complete
M37309	In music 149	Teacher's Lounge Sink	1.3	Pass	N/A	Testing Complete
M37310	In classroom 151	Classroom Sink	3.3	Pass	N/A	Testing Complete
M37335	In work room 152	Teacher's Lounge Sink	<1	Pass	N/A	Testing Complete

KCI TECHNOLOGIES
ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS
936 RIDGEBROOK ROAD • SPARKS, MD 21152 • 410-316-7800 • (FAX) 410-316-7935

Montgomery County Public Schools
Lead in Drinking Water Testing 2018

Executive Summary:

Sherwood High School

300 Olney Sandy Spring Road

Silver Spring, Maryland 20860

Date of Test Report:	4/15/2018
Round of Testing:	Initial
# of Outlets Tested:	46
# of Outlets ≥20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	7.4

Project Status:

Initial testing complete: All results less than 20 ppb.

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4/15/2018

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: Sherwood High School
300 Olney Sandy Spring Road
Silver Spring, Maryland 20860

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 Sherwood High School, located at 300 Olney Sandy Spring Road in Silver Spring, Maryland 20860.

SCOPE OF SERVICES

KCI conducted lead in water testing at Sherwood 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.

KCI visited the site on 3/15/2018 and 3/16/2018 to collect samples from 46 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 3/16/2018 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

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Lead in Water Test Summary Table

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

Sample Results for Sherwood High School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04888	293	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04889	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04890	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04891	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04892	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04893	287B	Kitchen Cafeteria		Faucet	1.1	Pass	Testing Complete
LW04894	287B	Kitchen Cafeteria		Faucet	4.7	Pass	Testing Complete
LW04895	287B	Kitchen Cafeteria		Faucet	7.4	Pass	Testing Complete
LW04896	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04897	287B	Kitchen Cafeteria		Icemaker	<1.0	Pass	Testing Complete
LW04898	287A	Break Room		Faucet	<1.0	Pass	Testing Complete
LW04899	287	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW04900	287	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW04901	202	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW04902	228	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW04903	239	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW04904	254	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04905	257	Office		Faucet	1.1	Pass	Testing Complete
LW04906	272	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04907	275	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04908	275	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04909	286	Office Science		Faucet	<1.0	Pass	Testing Complete
LW04910	264	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04911	219	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04912	219	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04913	162	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04914	162	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04915	157	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW06383		Hallway	Left Of 123	Cooler	<1.0	Pass	Testing Complete
LW06384		Hallway	Next To Theater	Cooler	<1.0	Pass	Testing Complete
LW06385		Hallway	Next To Theater	Cooler	<1.0	Pass	Testing Complete
M35557		Administration		Faucet	5.1	Pass	Testing Complete
M35588	287	Cafeteria	Near Kitchen	Cooler	<1.0	Pass	Testing Complete
M35589	287	Cafeteria	Near Kitchen	Cooler	<1.0	Pass	Testing Complete
M35593	292	Health Room		Faucet	<1.0	Pass	Testing Complete
M35596		Work Room Counselor	in Counselor	Faucet	<1.0	Pass	Testing Complete
M35609		Work Room Media Center	in IMC	Faucet	<1.0	Pass	Testing Complete
M35610	214	Break Room		Faucet	2.2	Pass	Testing Complete
M35614	221	Classroom		Faucet	<1.0	Pass	Testing Complete
M35626	239	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
M35629	250	Office Social Studies		Faucet	1.4	Pass	Testing Complete
M35633	254	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M35637	259	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M35638	259	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M36064	272	English Office		Faucet	2.0	Pass	Testing Complete
M37335	152	Work Room		Faucet	1.2	Pass	Testing Complete

*PPB = parts per billion