

Montgomery County Public Schools Lead in Drinking Water Testing Report

**Lucy V. Barnsley Elementary School
14516 Nadine Dr.
Rockville, MD 20853**

Report Date: April 30, 2025

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	3/21/2025
# of Outlets Tested	72
# of Outlets \geq 5 ppb	0

NEXT STEPS

If an initial sample exceeds the AL (5 ppb), the outlet will be shut-down within 24 hours, a follow-up sample collected, and a remedial plan of action developed for this outlet. No additional sampling or remedial actions are required for schools where all initial samples are below the AL.

HEALTH EFFECTS OF LEAD

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

SOURCES OF HUMAN EXPOSURE TO LEAD

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

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

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

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

ADDITIONAL INFORMATION

1. For additional information, please contact Brian Mullikin, Environmental Team Leader, at 240.740.2324 or brian_a_mullikin@mcpsmd.org.
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 Lucy V. Barnsley ES

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW07124	In Classroom 105	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08144	In Classroom 3	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08146	In Classroom 5	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08148	In Classroom 7	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08149	In Hallway Across From 007	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
LW08150	In Hallway Across From 007	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08164	In Hallway Across From 007	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08166	In Classroom 11	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08168	In Classroom 15	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08170	In Nurse's Office 102	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08172	In Nurse's Office 102b	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08174	In Nurse's Office 102c	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08176	In Lounge 112	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08177	In Lounge 106	Combination Sink - Faucet, Cold	<1.0	Pass	Testing Complete
LW08178	In Lounge106	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08179	In Hallway Outside 112	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW08180	In Hallway Outside 112	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08181	In Hallway Outside 112	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08184	In Classroom 137	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08185	In Classroom 137	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08187	In Classroom 116	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08189	In Classroom 120	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08191	In Office 122	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08193	In Classroom 128	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08194	In Classroom 126	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08196	In Hallway Across From 126	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08197	In Hallway Across From 126	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08199	In Classroom 124	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08201	In Classroom 107	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08204	In Hallway Outside Gym	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08207	In Classroom 151	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08208	In Classroom 151	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08210	In Classroom 147	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW08211	In Hallway Outside APR	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08212	In Hallway Outside APR	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08213	In Hallway Outside APR	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08214	In Kitchen 140b	Faucet, Cold	<1.0	Pass	Testing Complete
LW08219	In Classroom 208	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08221	In Classroom 212	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08223	In Classroom 214	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08225	In Office 211	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08227	In Classroom 218	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08229	In Classroom 222	Combination Sink - Fountain - Bubbler	1.5	Pass	Testing Complete
LW08233	In Classroom 226	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08234	In Classroom 215	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08236	In Media Center 225b	Combination Sink - Faucet, Cold	<1.0	Pass	Testing Complete
LW08237	In Media Center 225a	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08238	In Hallway Outside 229	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08239	In Hallway Outside 229	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	<1.0	Pass	Testing Complete
LW08241	In Classroom 235	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
LW08243	In Classroom 237	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08245	In Classroom 239	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08247	In Classroom 247	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08249	In Classroom 249	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08251	In Classroom 251	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08253	In Classroom 230	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW08256	In Classroom 277	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
LW10834	In Hallway Outside APR	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	<1.0	Pass	Testing Complete
M37484	In Classroom 115	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37503	In Kitchen 140b	Faucet, Cold	<1.0	Pass	Testing Complete
M37504	In Kitchen 140b	Faucet, Cold	<1.0	Pass	Testing Complete
M37505	In Kitchen 140b	Commercial Kitchen Kettle, Cold	<1.0	Pass	Testing Complete
M37526	In Classroom 150	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37573	In Classroom 263	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37575	In Classroom 265	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37578	In Classroom 228	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37582	In Classroom 232	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete

Outlet Barcode	Outlet Location	Outlet Type	Initial Results (ppb)	Pass/Fail	Status
M37597	In Classroom 275	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37601	In Classroom 236	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37603	In Classroom 234	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37672	In Classroom 130	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete
M37678	In Classroom 132	Combination Sink - Fountain - Bubbler	<1.0	Pass	Testing Complete

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14516 Nadine Drive
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Sampling Date	05/20/2022
# of Outlets Tested	115
# 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

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

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Fixture Barcode	Fixture Location	Fixture Type	Initial Results (ppb)	Pass/Fail	Follow up Results (ppb)	Status
LW07124	In classroom 105	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08143	In classroom 3	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08145	In classroom 5	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08146	In classroom 5	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08147	In classroom 7	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08149	In hallway across from 007	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08150	In hallway across from 007	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08164	In hallway across from 007	Bottle Filler	<1	Pass	N/A	Testing Complete
LW08165	In classroom 11	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08166	In classroom 11	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08167	In classroom 15	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08168	In classroom 15	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08169	In health room 102	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW08170	In health room 102	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08171	In health room 102B	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW08172	In health room 102B	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08173	In health room 102C	Nurses Office Sink	<1	Pass	N/A	Testing Complete
LW08174	In health room 102C	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08175	In work room 112 by administration	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08176	In work room 112 by administration	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08177	In break room 106	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW08178	In break room 106	Teachers Lounge Sink	<1	Pass	N/A	Testing Complete
LW08179	In hallway across from 137	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08180	In hallway across from 137	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08181	In hallway across from 137	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08183	In classroom 137	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08185	In classroom 137	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08186	In classroom 116	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08187	In classroom 116	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08188	In classroom 120	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW08189	In classroom 120	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08190	In office 122	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08191	In office 122	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08192	In classroom 128	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08193	In classroom 128	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08194	In classroom 126	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08195	In classroom 126	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08196	In hallway across from 126	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08197	In hallway across from 126	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08199	In classroom 124	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08200	In classroom 107	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08201	In classroom 107	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08202	In classroom 105	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08203	In hallway next to 139boys	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08204	In hallway next to 155girls	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08211	In hallway outside of Apr	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08212	In hallway outside of Apr	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08213	In hallway outside of Apr	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08214	In kitchen 140B	Kitchen Sink	<1	Pass	N/A	Testing Complete
LW08215	In hallway next to 206	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08216	In hallway next to 206	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08217	In hallway next to 206	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08218	In classroom 208	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08219	In classroom 208	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08220	In classroom 212	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08221	In classroom 212	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08222	In classroom 214	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08223	In classroom 214	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08224	In office 211	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08225	In office 211	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08226	In classroom 218	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08227	In classroom 218	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08228	In classroom 222	Classroom Combination Sink	<1	Pass	N/A	Testing Complete

LW08230	In classroom 224	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08231	In classroom 224	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08232	In classroom 226	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08233	In classroom 226	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08234	In classroom 215	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08235	In classroom 215	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08236	In office 225A by media center	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08237	In office 225A by media center	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08238	In hallway In front of 255	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08239	In hallway In front of 255	Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08240	In classroom 235	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08241	In classroom 235	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08242	In classroom 237	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08243	In classroom 237	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08244	In classroom 239	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08245	In classroom 239	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08246	In classroom 247	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08247	In classroom 247	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08248	In classroom 249	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08249	In classroom 249	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08250	In classroom 251	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08251	In classroom 251	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08252	In classroom 230	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08253	In classroom 230	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW08254	In classroom 236	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08255	In classroom 277	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
LW08256	In classroom 277	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
LW10834	In hallway by APR	Bottle Filler	<1	Pass	N/A	Testing Complete
M37483	In classroom 115	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M37484	In classroom 115	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37501	In classroom 124	Classroom Combination Sink	1.3	Pass	N/A	Testing Complete
M37503	In kitchen 140B by kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete
M37504	In kitchen 140B by kitchen	Kitchen Sink	<1	Pass	N/A	Testing Complete

M37505	In kitchen 140B by kitchen	Kitchen Sink	4.2	Pass	N/A	Testing Complete
M37525	In music 150	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M37526	In music 150	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37572	In classroom 263	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M37573	In classroom 263	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37574	In classroom 265	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M37575	In classroom 265	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37577	In classroom 228	Classroom Combination Sink	1.1	Pass	N/A	Testing Complete
M37581	In classroom 232	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M37582	In classroom 232	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37596	In classroom 275	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M37597	In classroom 275	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37601	In classroom 236	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37602	In classroom 234	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M37603	In classroom 234	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37672	In classroom 130	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37673	In classroom 130	Classroom Combination Sink	<1	Pass	N/A	Testing Complete
M37678	In classroom 132	Classroom Combination Drinking Fountain	<1	Pass	N/A	Testing Complete
M37680	In classroom 132	Classroom Combination Sink	<1	Pass	N/A	Testing Complete



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary:

Lucy V. Barnsley Elementary School

14516 Nadine Drive,
Rockville, MD 20853

Date of Test Report:	9/7/2018
Round of Testing:	Initial
# of Outlets Tested:	126
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	12.8

Project Status

Initial testing complete: All results less than 20 ppb.



September 20, 2018

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

Re: Lead in Water Testing Service

Location: Lucy V. Barnsley Elementary School
14516 Nadine Drive,
Rockville, MD 20853

Dear Mr. Mullikin:

Professional Services Industries (PSI), Inc. is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of initial lead in water testing at Lucy V. Barnsley Elementary School, located at 14516 Nadine Drive, Rockville, MD 20853.

Scope of Services:

PSI conducted lead in water testing at Lucy V. Barnsley 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.

PSI visited the site on 9/6/18 and 9/7/18 to collect samples from 126 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 were no results of the lead in water analysis at or above 20 parts per billion (ppb).

The lead in water sample results < 20 ppb for sample collection date 9/7/18 are shown in Attachment A.



Discussion:

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

Most lead leaches into drinking water from contact with plumbing components such as faucets and valves made of brass or lead-containing solder. The physical and chemical interaction that occurs between the plumbing and water directly contributes to the amount of lead that is released into the water. Although plumbing components installed prior to the 1990's could contain more lead than newer materials, the amount of lead in the drinking water cannot be predicted by the age of building. The purpose of this regulation is to establish a program to minimize the risk of exposure to lead in drinking water outlets at schools.

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

Respectfully Submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Nand Kaushik, P.E.
Department Manager, Environmental Services
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Attachments: A – Lead in Water Test Summary Table

ATTACHMENT A

Lead in Water Test Summary Table

Contractor: Professional Services Industries, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for Lucy V. Barnsley Elementary School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW07124	105	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW08143	003	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08144	003	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08145	005	Classroom		Faucet	2.1	Pass	Testing Complete
LW08146	005	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08147	007	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08148	007	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08149		Hallway	Across From 007	Cooler	<1.0	Pass	Testing Complete
LW08150		Hallway	Across From 007	Cooler	1.0	Pass	Testing Complete
LW08164		Hallway	Across From 007	Cooler	<1.0	Pass	Testing Complete
LW08165	011	Classroom		Faucet	2.7	Pass	Testing Complete
LW08166	011	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08167	015	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08168	015	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08169	102	Health Room		Faucet	2.7	Pass	Testing Complete
LW08170	102	Health Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08171	102B	Health Room		Faucet	<1.0	Pass	Testing Complete
LW08172	102B	Health Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08173	102C	Health Room		Faucet	2.2	Pass	Testing Complete
LW08174	102C	Health Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08175	112	Work Room Administration		Faucet	<1.0	Pass	Testing Complete
LW08176	112	Work Room Administration		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08177	106	Break Room		Faucet	1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08178	106	Break Room		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08179		Hallway	Across From 137	Cooler	<1.0	Pass	Testing Complete
LW08180		Hallway	Across From 137	Cooler	<1.0	Pass	Testing Complete
LW08181		Hallway	Across From 137	Cooler	<1.0	Pass	Testing Complete
LW08182	137	Classroom		Faucet	2.3	Pass	Testing Complete
LW08183	137	Classroom		Faucet	1.2	Pass	Testing Complete
LW08184	137	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08185	137	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08186	116	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08187	116	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08188	120	Classroom		Faucet	1.3	Pass	Testing Complete
LW08189	120	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08190	122	Office		Faucet	3.0	Pass	Testing Complete
LW08191	122	Office		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08192	128	Classroom		Faucet	1.7	Pass	Testing Complete
LW08193	128	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08194	126	Classroom		Faucet	11.3	Pass	Testing Complete
LW08195	126	Classroom		Bubbler - Indoor	1.3	Pass	Testing Complete
LW08196		Hallway	Across From 126	Cooler	<1.0	Pass	Testing Complete
LW08197		Hallway	Across From 126	Cooler	<1.0	Pass	Testing Complete
LW08198	124	Classroom		Faucet	12.8	Pass	Testing Complete
LW08199	124	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08200	107	Classroom		Faucet	2.5	Pass	Testing Complete
LW08201	107	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08202	105	Classroom		Faucet	<1.0	Pass	Testing Complete
LW08203		Hallway	Next To 139boys	Cooler	<1.0	Pass	Testing Complete
LW08204		Hallway	Next To 155girls	Cooler	<1.0	Pass	Testing Complete
LW08205	151	Art		Faucet	3.7	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08206	151	AV Storage		Faucet	1.5	Pass	Testing Complete
LW08207	151	Art		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08208	151	Art		Bubbler - Indoor	1.1	Pass	Testing Complete
LW08209	147	Music		Faucet	5.0	Pass	Testing Complete
LW08210	147	Music		Bubbler - Indoor	1.1	Pass	Testing Complete
LW08211		Hallway	Outside Of Apr	Cooler	<1.0	Pass	Testing Complete
LW08212		Hallway	Outside Of Apr	Cooler	<1.0	Pass	Testing Complete
LW08213		Hallway	Outside Of Apr	Cooler	<1.0	Pass	Testing Complete
LW08214	140B	Kitchen		Faucet	2.3	Pass	Testing Complete
LW08215		Hallway	Next To 206	Cooler	<1.0	Pass	Testing Complete
LW08216		Hallway	Next To 206	Cooler	<1.0	Pass	Testing Complete
LW08217		Hallway	Next To 206	Cooler	<1.0	Pass	Testing Complete
LW08218	208	Classroom		Faucet	2.3	Pass	Testing Complete
LW08219	208	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08220	212	Classroom		Faucet	2.1	Pass	Testing Complete
LW08221	212	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
LW08222	214	Classroom		Faucet	2.7	Pass	Testing Complete
LW08223	214	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08224	211	Office		Faucet	1.7	Pass	Testing Complete
LW08225	211	Office		Bubbler - Indoor	1.3	Pass	Testing Complete
LW08226	218	Classroom		Faucet	2.1	Pass	Testing Complete
LW08227	218	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08228	222	Classroom		Faucet	1.3	Pass	Testing Complete
LW08229	222	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08230	224	Classroom		Faucet	1.5	Pass	Testing Complete
LW08231	224	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08232	226	Classroom		Faucet	1.8	Pass	Testing Complete
LW08233	226	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW08234	215	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08235	215	Classroom		Faucet	2.9	Pass	Testing Complete
LW08236	225A	Office Media Center		Faucet	1.5	Pass	Testing Complete
LW08237	225A	Office Media Center		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08238		Hallway	In Front Of 255	Cooler	<1.0	Pass	Testing Complete
LW08239		Hallway	In Front Of 255	Cooler	<1.0	Pass	Testing Complete
LW08240	235	Classroom		Faucet	2.1	Pass	Testing Complete
LW08241	235	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08242	237	Classroom		Faucet	3.0	Pass	Testing Complete
LW08243	237	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08244	239	Classroom		Faucet	1.4	Pass	Testing Complete
LW08245	239	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08246	247	Classroom		Faucet	2.0	Pass	Testing Complete
LW08247	247	Classroom		Bubbler - Indoor	1.8	Pass	Testing Complete
LW08248	249	Classroom		Faucet	1.8	Pass	Testing Complete
LW08249	249	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW08250	251	Classroom		Faucet	2.9	Pass	Testing Complete
LW08251	251	Classroom		Bubbler - Indoor	2.0	Pass	Testing Complete
LW08252	230	Classroom		Faucet	3.3	Pass	Testing Complete
LW08253	230	Classroom		Bubbler - Indoor	2.0	Pass	Testing Complete
LW08254	236	Classroom		Faucet	1.6	Pass	Testing Complete
LW08255	277	Classroom		Faucet	1.7	Pass	Testing Complete
LW08256	277	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
M37483	115	Classroom		Faucet	2.8	Pass	Testing Complete
M37484	115	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
M37503	140B	Kitchen		Faucet	1.0	Pass	Testing Complete
M37504	140B	Kitchen		Faucet	1.1	Pass	Testing Complete
M37505	140B	Kitchen		Faucet	2.7	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M37525	150	Music		Faucet	<1.0	Pass	Testing Complete
M37526	150	Music		Bubbler - Indoor	<1.0	Pass	Testing Complete
M37572	263	Classroom		Faucet	1.7	Pass	Testing Complete
M37573	263	Classroom		Bubbler - Indoor	1.8	Pass	Testing Complete
M37574	265	Classroom		Faucet	1.2	Pass	Testing Complete
M37575	265	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
M37577	228	Classroom		Faucet	3.7	Pass	Testing Complete
M37578	228	Classroom		Bubbler - Indoor	2.1	Pass	Testing Complete
M37581	232	Classroom		Faucet	1.9	Pass	Testing Complete
M37582	232	Classroom		Bubbler - Indoor	1.0	Pass	Testing Complete
M37596	275	Classroom		Faucet	3.7	Pass	Testing Complete
M37597	275	Classroom		Bubbler - Indoor	1.1	Pass	Testing Complete
M37601	236	Classroom		Bubbler - Indoor	1.4	Pass	Testing Complete
M37602	234	Classroom		Faucet	7.2	Pass	Testing Complete
M37603	234	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
M37672	130	Classroom		Bubbler - Indoor	<1.0	Pass	Testing Complete
M37673	130	Classroom		Faucet	1.3	Pass	Testing Complete
M37678	132	Classroom		Bubbler - Indoor	1.2	Pass	Testing Complete
M37680	132	Classroom		Faucet	1.5	Pass	Testing Complete

*ppb = parts per billion