

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT

C. Milton Wright High School

ELEVATED LEAD WATER SAMPLE RESULT

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. On December 8, 11, and 20, 2018, two hundred thirty-two (232) lead water samples were collected from C. Milton Wright High School. Of these lead water samples, **twenty-one** had levels of lead exceeding the action level of 20 parts per billion (ppb) for lead in drinking water in school buildings. The elevated lead results from the samples collected at C. Milton Wright High School were as follows:

32.2 parts per billion (ppb) **Room 125, Music room sink**
20.9 parts per billion (ppb) **Room 102, left, left sink faucet**
30.6 parts per billion (ppb) **Room 102, left, middle sink faucet**
26.1 parts per billion (ppb) **Room 102, left, right sink faucet**
164 parts per billion (ppb) **Room 102, right, left sink faucet**
21.6 parts per billion (ppb) **Men’s restroom, Room 109, right sink**
81.7 parts per billion (ppb) **Room 115, right sink**
26.2 parts per billion (ppb) **Room 238 B, Media Center sink, back wall**
487 parts per billion (ppb) **Drinking fountain in Room 250**
115 parts per billion (ppb) **Room 246, middle sink**
106 parts per billion (ppb) **Drinking fountain in girl’s locker room**
43.9 parts per billion (ppb) **Room 212 Speech and Language sink**
24.3 parts per billion (ppb) **Room 354, right wall, second right sink**
25.9 parts per billion (ppb) **Room 354, right wall, right sink**
42.3 parts per billion (ppb) **Room 356, left wall, second left sink**
20.9 parts per billion (ppb) **Room 356, left wall, fourth left sink**
39.4 parts per billion (ppb) **Room 356, right wall, third right sink**
20 parts per billion (ppb) **Room 356, right wall, second right sink**
20.6 parts per billion (ppb) **Room 356, right wall, right sink**
49.4 parts per billion (ppb) **Room 343, second right sink**
20.2 parts per billion (ppb) **Room 343, right sink**

ACTION LEVEL (AL)

The AL is 20 ppb for lead in drinking water in school buildings. The AL is the concentration of lead which, if exceeded, triggers required remediation.

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, and cosmetics, exposure in the work place and exposure from certain hobbies, brass faucets, fittings, and valves. 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.

IMMEDIATE ACTIONS TAKEN

Results were received on July 16, 2019. Handwash only signs were placed at the sinks and drinking fountains were placed out of service.

NEXT STEPS

At this time our remedial action is to use these sinks for hand washing only. The drinking fountains have been turned off. If the drinking fountains are replaced they will be resampled before being put back into use.

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 **Patti Jo Beard, Harford County Public Schools**, at **410-638-4088**. 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. 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.