

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT **Aberdeen Middle 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 September 19, 2018, two hundred thirteen (213) lead water samples were collected from Aberdeen Middle School. Of these lead water samples, **sixty-two** (62) 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 Aberdeen Middle School were as follows:

103 parts per billion (ppb) **Room 112 sink**
72.2 parts per billion (ppb) **Room 115 sink**
23.9 parts per billion (ppb) **Girl’s restroom sink across from 117, left**
97.6 parts per billion (ppb) **Girl’s restroom sink across from 117, second left**
24.6 parts per billion (ppb) **Girl’s restroom sink across from 117, second right**
32.3 parts per billion (ppb) **Girl’s restroom sink across from 117, right**
168 parts per billion (ppb) **Room 130, right**
152 parts per billion (ppb) **Room 130, second right**
46.3 parts per billion (ppb) **Room 130, backwall, right**
24 parts per billion (ppb) **Room 130, back wall, second right**
66.2 parts per billion (ppb) **Room 130, back wall, third right**
21.1 parts per billion (ppb) **Room 130, back wall, fourth right**
40.4 parts per billion (ppb) **Room 130, back wall, second left**
42.8 parts per billion (ppb) **Room 130, back wall left**
93.5 parts per billion (ppb) **Room 133, left**
153 parts per billion (ppb) **Room 133, second left**
135 parts per billion (ppb) **Room 133, back wall, left**
148 parts per billion (ppb) **Room 133, back wall, second left**
72.3 parts per billion (ppb) **Room 133, back wall, third left**
239 parts per billion (ppb) **Room 133, back wall, right**
78.2 parts per billion (ppb) **Room 133, right wall, second right**
7770 parts per billion (ppb) **Room 133, right wall, right**
75.7 parts per billion (ppb) **Room 134, left**
44 parts per billion (ppb) **Room 134, second left**
54.7 parts per billion (ppb) **Room 134, back wall, left**
70.1 parts per billion (ppb) **Room 134, back wall, second left**
40.3 parts per billion (ppb) **Room 134, back wall second right**
51.3 parts per billion (ppb) **Room 134, back wall, right**
65.4 parts per billion (ppb) **Room 134, second right**
67.3 parts per billion (ppb) **Room 134, right**
42 parts per billion (ppb) **Room 121**
21.5 parts per billion (ppb) **Room 126**
26.6 parts per billion (ppb) **Room 142, second left**
96.4 parts per billion (ppb) **Room 142, second right**

51.5 parts per billion (ppb) **Room 142, right**
39.6 parts per billion (ppb) **Room 140, right**
56 parts per billion (ppb) **Room 140, second right**
69.8 parts per billion (ppb) **Room 140, near back wall, right**
57.3 parts per billion (ppb) **Room 140, near back wall, second right**
37 parts per billion (ppb) **Room 140, near back wall, second left**
40.7 parts per billion (ppb) **Room 140, near back wall, left**
37.8 parts per billion (ppb) **Room 140, second left**
73 parts per billion (ppb) **Room 140, left**
20.6 parts per billion (ppb) **Room 138, left**
55.7 parts per billion (ppb) **Room 138, second left**
74.2 parts per billion (ppb) **Room 138, back wall, left**
28.6 parts per billion (ppb) **Room 138, back wall, second left**
49.3 parts per billion (ppb) **Room 138, back wall, second right**
44.1 parts per billion (ppb) **Room 138, back wall, right**
78.3 parts per billion (ppb) **Room 138, back wall, left**
122 parts per billion (ppb) **Room 138 back wall right**
54.1 parts per billion (ppb) **Room 138 second left**
26 parts per billion (ppb) **Room 138, left**
26.2 parts per billion (ppb) **Room 148**
28.1 parts per billion (ppb) **Room 145**
21.1 parts per billion (ppb) **Room 230**
88.9 parts per billion (ppb) **Room 225**
32.4 parts per billion (ppb) **Room 224**
29.3 parts per billion (ppb) **Room 221**
28.1 parts per billion (ppb) **Room 205**
50.7 parts per billion (ppb) **Girl's restroom across from M123, second right**
23.6 parts per billion (ppb) **Room 213**

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 February 13, 2019. Handwash only sign were placed at the sinks.

NEXT STEPS

At this time our remedial action is to use these sinks for hand washing only.

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

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.