

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S) **Chesapeake Bay Middle School**

ELEVATED LEAD WATER SAMPLE RESULT(S)

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 11, 2018, **one hundred thirty-two (132)** lead water samples were collected from **Chesapeake Bay Middle School**. Of these lead water samples, forty-eight (48) 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 result from the sample(s) collected at Chesapeake Bay Middle School were as follows:

Sample Number 000002-B Side- Main Office Bathroom Hand Sink: 26.2 ppb (non-consumable).

Sample Number 000006-B Side-Boys Bathroom (next to B110) Hand Sink (Left): 21.6 ppb (non-consumable).

Sample Number 000007-B Side-Boys Bathroom (next to B110) Hand Sink (Center): 39.3 ppb (non-consumable).

Sample Number 000008-B Side Boys Bathroom (next to B110) Hand Sink (Right) Hand Sink: 37.2 ppb (non-consumable).

Sample Number 000009-B Side Girls Bathroom (next to B110) Hand Sink (Left): 49.7 ppb (non-consumable).

Sample Number 000010-B Side-Girls Bathroom (next to B110) Hand Sink (Center): 24.4 ppb (non-consumable).

Sample Number 000022-B Side Boys Bathroom (next to Custodial B3) Hand Sink (Right): 44.6 ppb (non-consumable).

Sample Number 000023-B Side Girls Bathroom (next to Custodial B3) Hand Sink (Left): 29 ppb (non-consumable).

Sample Number 000028-B Side Girls Locker Room Bathroom Hand Sink (Left): 37.4 ppb (non-consumable).

Sample Number 000029-B Side Girls Locker Room Bathroom Hand Sink (Center): 23.4 ppb (non-consumable).

Sample Number 000033-B Side Boys Locker Room Bathroom Hand Sink (Left): 75.7 ppb (non-consumable).

Sample Number 000034-B Side Boys Locker Room Bathroom Hand Sink (Center): 35.4 ppb (non-consumable).

Sample Number 000035-B Side Boys Locker Room Bathroom Hand Sink (Right): 27.8 ppb (non-consumable).

Sample Number 000036-B Side Boys Locker Room Drinking Fountain: 386 ppb (consumable).

Sample Number 000038-B Side Boys Bathroom Hand Sink (across from B136)-Left: 520 ppb (non-consumable).

Sample Number 000043-B Side Girls Bathroom Hand Sink (across from B136)-Right: 130 ppb (non-consumable).

Sample Number 000049-B Side Kitchen Hand Sink (across from tri-sink): 25.6 ppb (non-consumable).

Sample Number 000054-A Side Girls Bathroom (next to Custodial A-7) Hand Sink (Left): 45.7 ppb (non-consumable).

Sample Number 000055-A Side Girls Bathroom (next to Custodial A-7) Hand Sink (Center): 33.4 ppb (non-consumable).

Sample Number 000056-A Side Girls Bathroom (next to Custodial A-7) Hand Sink (Right): 26.5 ppb (non-consumable).

Sample Number 000057-A Side Boys Bathroom (next to Custodial A-7) Hand Sink (left): 24.5 ppb (non-consumable).

Sample Number 000061-A Side Boys Locker Room Office Bathroom Hand Sink: 43.3 ppb (non-consumable).

Sample Number 000062-A Side Boys Locker Room Bathroom Hand Sink (Left): 20.9 ppb (non-consumable).

Sample Number 000065-A Side Boys Locker Room Drinking Fountain: 50.4 ppb (consumable).

Sample Number 000070-A Side Girls Locker Room Drinking Fountain: 53.1 ppb (consumable).

Sample Number 000072-A Side Girls Bathroom (Gym Lobby) Hand Sink (Center): 22.6 ppb (non-consumable).

Sample Number 000073-A Side Girls Bathroom (Gym Lobby) Hand Sink (Right): 73.5 ppb (non-consumable).

Sample Number 000074-A Side Boys Bathroom (Gym Lobby) Hand Sink (Left): 50.8 ppb (non-consumable).

Sample Number 000087-A Side Front Lobby Girls Bathroom Hand Sink (Left): 43.2 ppb (non-consumable).

Sample Number 000088-A Side Front Lobby Girls Bathroom Hand Sink (Center): 60.2 ppb (non-consumable).

Sample Number 000089-A Side Front Lobby Girls Bathroom Hand Sink (Right): 39.4 ppb (non-consumable).

Sample Number 000090-A Side Front Lobby Boys Bathroom Hand Sink (Left): 25.6 ppb (non-consumable).

Sample Number 000091-A Side Front Lobby Boys Bathroom Hand Sink (Center): 32.5ppb (non-consumable).

Sample Number 000092-A Side Front Lobby Boys Bathroom Hand Sink (Right): 163 ppb (non-consumable).

Sample Number 000104-B Side Boys Bathroom (next to Custodial B-7) Hand Sink (Right): 42 ppb (non-consumable).

Sample Number 000106-B Side Girls Bathroom (next to Custodial B-7) Hand Sink (Center): 91.5 ppb (non-consumable).

Sample Number 000107-B Side Girls Bathroom (next to Custodial B-7) Hand Sink (Right):192 ppb (non-consumable).

Sample Number 000112-B Side Boys Bathroom (next to Custodial B-8) Hand Sink (Center): 36.5 ppb (non-consumable).

Sample Number 000113-B Side Boys Bathroom (next to Custodial B-8) Hand Sink (Right): 378 ppb (non-consumable).

Sample Number 000114-B Side Girls Bathroom (next to Custodial B-8) Hand Sink (Left): 133 ppb (non-consumable).

Sample Number 000115-B Side Girls Bathroom (next to Custodial B-8) Hand Sink (Center):101 ppb (non-consumable).

Sample Number 000128-A Side 220 FAC's (clockwise) Sink-6: 25.9 ppb (consumable).

Sample Number 000139-A Side Boys Bathroom (next to Custodial A-7) Hand Sink (Left): 181 ppb (non-consumable).

Sample Number 000140-A Side Boys Bathroom (next to Custodial A-7) Hand Sink (Center): 152 ppb (non-consumable).

Sample Number 000141-A Side Boys Bathroom (next to Custodial A-7) Hand Sink (Right): 72.7 ppb (non-consumable).

Sample Number 000142-A Side Girls Bathroom (next to Custodial A-7) Hand Sink (Left): 113 ppb (non-consumable).

Sample Number 000143-A Side Girls Bathroom (next to Custodial A-7) Hand Sink (Center): 39.4 ppb (non-consumable).

Sample Number 000144-A Side Girls Bathroom (next to Custodial A-7) Hand Sink (Right): 28.8 ppb (non-consumable).

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

1. The four (4) consumable water sources consisting of drinking fountains and a home economics sink will be shut off immediately and retested.
2. Forty-four (44) non-consumable water sources consisting primarily of hand sinks will be retested and posted with signage indicating "Hand Washing Only".

NEXT STEPS

1. All four (4) consumable water sources plumbing fixtures will be replaced and retested in accordance with the regulations.
2. All forty-four (44) non-consumable water sources will be replaced and retested in accordance with the regulations.

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 Chris Williams, Environmental Issues Program Manager, at 410-360-0138. 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.