

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 October 29, 2019, three (3) lead water samples were collected from Chesapeake Bay Middle School. Of these lead water samples, three (3) 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 sample(s) collected at Chesapeake Bay Middle School are as follows:

- Sample #36 – B Side Boys Locker Room Water Fountain – 52.8ppb
- Sample #65 – A Side Boys Locker Room Water Fountain – 48ppb
- Sample #70 A Side Girls Locker Room Water Fountain – 22.3ppb

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 workplace 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

- Sample #'s 36, 65 and 70 will remain off.

NEXT STEPS

- Sample #'s 36, 65 and 70 will be permanently removed from service since they failed the retests. This is the second time they have failed the lead in water testing. After failing the first time, each fixture was replaced and was left off until the retest occurred. The water has remained off since the retest.

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 or Brian Wells*** at ***443-770-5951***. 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.



AACPS - Operations Division
9034 Ft. Smallwood Road

Tuesday, January 21, 2020

Pasadena, MD 21122

Attention: Chris Williams; Brian Wells

Certificate of Analysis
FINAL

Report for Lab No: 48015.

Chesapeake MS

Sampling by regulation to Maryland House Bill 270 - Lead in Drinking Water

P.O. Number: PO 9212

Sampling by Martel personnel on 10/29/2019.

Report reissued with correction.

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
48015	000036	B Side Boys Locker Room: Water Fountain	10/29/2019 06:59			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	52.8	ug/l*	EPA .200.8	2	01/16/2020 14:11 BJ	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
48015	000070	A Side Girls Locker Room: Water Fountain	10/29/2019 07:09			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	22.3	ug/l*	EPA .200.8	2	01/16/2020 14:14 BJ	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
48015	000065	A Side Boys Locker Room: Water Fountain	10/29/2019 07:25			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	48.0	ug/l*	EPA .200.8	2	01/16/2020 14:17 BJ	



Martel Laboratories JDS Inc.

1025 Cromwell Bridge Road - Baltimore, Maryland 21286
PH 410-825-7790 FAX 410-821-1054 EMAIL: martel@martellabs.com

AACOP1

Page 2 OF 2
01/21/2020
stddl.frx

Notes and references:

SM="Standard Methods for the Examination of Water and Wastewater", American Public Health Association, American Water Works Association, and Water Environment Federation. Year in method code is approved date. 40CFR141=U.S. "Code of Federal Regulations", Title 40, Protection of the Environment, Part 141, National Primary Drinking Water Regulations.

* results exceeded 20.5 ug/l.

All samples tested were in acceptable condition, unless otherwise noted.
The results presented herein relate only to the samples or items tested.


Project Manager

MARTEL Chain of Custody Record

Martel Laboratories JDS Inc., 1025 Cromwell Bridge Rd., Baltimore, MD 21286, (410) 825-7790, FAX (410) 821-1054, email: martel@martellabs.com

Anne Arundel County Public Schools Drinking Water Lead Testing

Bottle Type: 250 ml plastic, preserved with HNO3 Analysis: Lead (EPA 200.8)

Start Date/Time: 10-29 6:59 End Date/Time: 10-29 7:25

Sampler/Relinquished By: [Signature] Received at Martel by [Signature] Date/Time: 10-29 7:25

Chesapeake Bay MS

4804 Mountain Rd. at Mt. Carmel Ct. Pasadena 21122

ALL OUTLET WERE FLUSHED THE NIGHT BEFORE
SAMPLING BETWEEN THE HOURS OF 8PM AND 9PM

Martel Lab No. **48015**

Sample #	Room #	Fixture Type <i>(Sink, Bubbler, Water Fountain, Gooseneck, Ice</i>	Outlet Key Codes	Cor. NC?	TIME/NOTES
140B	B-101 Network Tech Water Fountain	Water Fountain	DF	E	7:25
65A	A Side Boys Locker Room	Water Fountain	DF	C	7:05
70A	A Side Girls Locker Room	Water Fountain	DF	C	7:05
36	B Side Boys Locker Room	Water Fountain	DF	C	6:59

901 - ~~65A~~ 2
902 - ~~70A~~ 2
903 - ~~140B~~ 2

[Signature]