Lead in Drinking Water – Public and Nonpublic Schools

Updated in response to legislation effective as of June 1, 2021

IMPORTANT NOTICE: ELEVATED LEAD WATER SAMPLE RESULT(S)
Mary Moss Academy @ J. Albert Adams Academy

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 September 22, 2023, twenty-one (21) lead water samples were collected from Mary Moss Academy @ J. Albert Adams Academy. Of these lead water samples, three (3) had levels of lead exceeding the State's revised action level of 5 parts per billion (ppb) *(formerly 20 ppb; 5 ppb effective June 1, 2021)* for lead in drinking water in school buildings. The elevated lead results from the sample(s) collected at Mary Moss Academy @ J. Albert Adams Academy were as follows:

17.0 (ppb) Sample # 17 Classroom 101sink
5.63 (ppb) Sample #19 Classroom 103 combination fountain
7.10 (ppb) Sample #45 Classroom across from elevator combination fountain (Counseling Suite)

ACTION LEVEL (AL)

Effective June 1, 2021, the State's AL for lead in drinking water samples collected from outlets in school buildings has been lowered to 5 ppb. The AL is the concentration of lead which, if exceeded, triggers required remediation of drinking water outlets.

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 sources 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

All consumable outlets exceeding the Action Level were turned off or a "Hand Washing Only", "Do Not Drink" or "Dish Washing Only" sticker was applied.

NEXT STEPS

Sample # 17 Classroom 101 sink a 'Hand Washing Only" sticker will be applied.
Sample #19 Classroom 103 combination fountain will be removed.
Sample #45 Classroom across from elevator combination fountain (Counseling Suite) will be removed.

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 the Environmental, Health and Safety Office at 443-770-5950. 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.

MARTEL

1025 Cromwell Bridge Road - Baltimore, Maryland 21286
PH 410-825-7790 martel@martellabs.com

AACPS - Operations Division
9034 Ft. Smallwood Road

Pasadena, MD 21122
Attention: **Chris Williams; Brian Wells**

Wednesday, January 3, 2024

Certificate of Analysis
AMENDED

Project Information:

Report for Lab No: 70005.

School: Mary Moss Academy @ J. Albert Academy
Sampling by regulation to Maryland House Bill 270 - Lead in Drinking Water
P.O. Number: PO 21B21062901660
Sampling by Martel personnel on September 22, 2023.

References and Important Notes:

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 5.5 ug/l.

This report amends either the original report or the last amended report sent on: 01/02/2024
It has been amended for the following reason(s): sample 17 sample id modified.

This report amends either the original report or the last amended report sent on: 01/03/2024
It has been amended for the following reason(s): To correct name of the school.

Notices:

Chain of Custody Form(s) are attached and are an integral part of this report.
This report will be retained for at least five years and will be disposed of without notice.
Measurement uncertainty for each listed test is available upon request.
The results presented herein relate only to the samples or items tested.
All samples tested were in acceptable condition, unless otherwise noted.

Project Manager

MARTEL

Certificate of Analysis

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	2	Hallway Fountain (By Front Door) [DF--C]	09/22/2023 06:32

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.90	ug/l	EPA .200.8	2	12/06/2023 17:51 EK

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	3	Cafeteria Café Fountain [DF--C]	09/22/2023 06:38

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	12/06/2023 17:53 EK

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	5	Kitchen Kitchen Dual Sink [KS--C]	09/22/2023 06:40

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	12/06/2023 17:56 EK

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	6	Kitchen Tri Sink- L [KS--C]	09/22/2023 06:40

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	12/06/2023 17:59 EK

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	7	Kitchen Tri Sink- R [KS--C]	09/22/2023 06:40

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	12/06/2023 18:01 EK

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	17	Classroom 101 [CR-NC]	09/22/2023 06:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	17.0	ug/l*	EPA .200.8	2	12/08/2023 12:23 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	19	Classroom 103 [CF--C]	09/22/2023 06:52

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.63	ug/l*	EPA .200.8	2	12/08/2023 12:35 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	24	Classroom 109 [CF--C]	09/22/2023 06:54

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.44	ug/l	EPA .200.8	2	12/08/2023 12:37 CSG

MARTEL

Certificate of Analysis

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	27	Classroom 110 [CF--C]	09/22/2023 06:56

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	12/08/2023 12:40 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	30	Classroom 108 [CF--C]	09/22/2023 06:58

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.26	ug/l	EPA 200.8	2	12/08/2023 12:42 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	37	Classroom 106 [CF--C]	09/22/2023 06:56

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	12/08/2023 12:44 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	45	Classroom Room across from elevator (counseling suite) [CF	09/22/2023 07:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	7.10	ug/l*	EPA 200.8	2	12/08/2023 12:47 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	47	Nurses Office Infirmary BR [BS--C]	09/22/2023 07:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	n/a		EPA 200.8	2	/ /

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	48	Nurses Office Infirmary (next to eyewash) [NO--C]	09/22/2023 07:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	n/a		EPA 200.8	2	/ /

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	50	Classroom 201 [CF--C]	09/22/2023 07:22

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.68	ug/l	EPA 200.8	2	12/08/2023 12:49 CSG

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
70005	52	Classroom 203 [CF--C]	09/22/2023 07:20

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	12/08/2023 12:52 CSG

MARTEL NO. 70005 54 — CLIENT SAMPLE IDENTIFICATION: Classroom 205 [CF--C] — Sample Date/Time: 09/22/2023 07:16

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	12/08/2023 12:54 CSG

MARTEL NO. 70005 56 — CLIENT SAMPLE IDENTIFICATION: Classroom 208 (across from room 210) [CF--C] — Sample Date/Time: 09/22/2023 07:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	n/a		EPA .200.8	2	/ /

MARTEL NO. 70005 60 — CLIENT SAMPLE IDENTIFICATION: Classroom 210 [CF--C] — Sample Date/Time: 09/22/2023 07:17

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	12/08/2023 13:04 CSG

MARTEL NO. 70005 62 — CLIENT SAMPLE IDENTIFICATION: Classroom 208 [CF--C] — Sample Date/Time: 09/22/2023 07:25

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.76	ug/l	EPA .200.8	2	12/08/2023 13:09 CSG

MARTEL NO. 70005 68 — CLIENT SAMPLE IDENTIFICATION: Classroom 206 [CF--C] — Sample Date/Time: 09/22/2023 07:20

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.01	ug/l	EPA .200.8	2	12/08/2023 13:12 CSG

MARTEL NO. 70005 76 — CLIENT SAMPLE IDENTIFICATION: Classroom 202 [CF--C] — Sample Date/Time: 09/22/2023 07:07

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.66	ug/l	EPA .200.8	2	12/08/2023 13:14 CSG

MARTEL NO. 70005 6F — CLIENT SAMPLE IDENTIFICATION: Kitchen Tri Sink- L [KS--C] — Sample Date/Time: 09/22/2023 07:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	12/08/2023 13:16 CSG

MARTEL NO. 70005 7F — CLIENT SAMPLE IDENTIFICATION: Kitchen Tri Sink- R [KS--C] — Sample Date/Time: 09/22/2023 07:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	12/08/2023 13:19 CSG

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: 9-22-23 6:30 End Date/Time: 9-22- 7:30

Sampler/Relinguished By: RSH Received at Martel by S. Lewis Date/Time: 9-22-23 - 13:30

J.Adams Academy @Mary Moss

245 Clay St, Annapolis, MD 21401

ALL OUTLET WERE FLUSHED THE NIGHT BEFORE
SAMPLING BETWEEN THE HOURS OF 5 PM AND 9PM

Martel NO: 70005

Martel #	Sample #	Room #	Fixture Type (Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bibb, etc.)	Outlet Key Codes	Fixture Types Key	Consumption C or NC?	Floor	Time/notes
1	2	Hallway	Fountain (By Front Door)	DF	Drinking Water Fountain- Cooler/Chiller Style	C	1	6:37
2	3	Cafeteria	Café Fountain	DF	Drinking Water Fountain- Cooler/Chiller Style	C	1	6:38
3	5	Kitchen	Kitchen Dual Sink	KS	Faucet, Cold	C	1	6:40
4	6	Kitchen	Tri Sink- L	KS	Faucet, Cold	C	1	6:40
5	7	Kitchen	Tri Sink- R	KS	Faucet, Cold	C	1	〃
6	17	Classroom	101	CF	Drinking Water Fountain-Bubbler Style	C	1	6:50
7	19	Classroom	103	CF	Drinking Water Fountain-Bubbler Style	C	1	6:52
8	24	Classroom	109	CF	Drinking Water Fountain-Bubbler Style	C	1	6:54
9	27	Classroom	110	CF	Drinking Water Fountain-Bubbler Style	C	1	6:56
10	30	Classroom	108	CF	Drinking Water Fountain-Bubbler Style	C	1	6:58
11	37	Classroom	106	CF	Drinking Water Fountain-Bubbler Style	C	1	6:56
12	45	Classroom	Room across from elevator (counseling suite)	CF	Drinking Water Fountain-Bubbler Style	C	1	7:05
13	47	Nurses Office	Infirmary BR	BS	Faucet, Cold	C	1	N.A.
14	48	Nurses Office	Infirmary (next to eyewash)	NO	Faucet, Cold	C	1	N.A.
15	50	Classroom	201	CF	Drinking Water Fountain-Bubbler Style	C	2	7:22
16	52	Classroom	203	CF	Drinking Water Fountain-Bubbler Style	C	2	7:20
17	54	Classroom	205	CF	Drinking Water Fountain-Bubbler Style	C	2	7:16
18	56	Classroom	208 (across from room 210)	CF	Drinking Water Fountain-Bubbler Style	C	2	N.A.
19	60	Classroom	210	CF	Drinking Water Fountain-Bubbler Style	C	2	7:17
20	62	Classroom	208	CF	Drinking Water Fountain-Bubbler Style	C	2	7:25
21	68	Classroom	206	CF	Drinking Water Fountain-Bubbler Style	C	2	7:20
22	76	Classroom	202	CF	Drinking Water Fountain-Bubbler Style	C	2	7:07
23	6	Kitchen	Tri Sink- L	KS	Faucet, Cold	C	1	FLUSH

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24	7	Kitchen	Tri Sink- R	KS	Faucet, Cold	C	1	FLUSH

P06