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)

St. John Catholic School Westminster

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 15th, 2021**, **16** lead water samples were collected from **St. John Catholic School Westminster** Of these lead water samples, **11** 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 **St. John Catholic School Westminster** were as follows:

Location	Type	Analyte	Limit	Result	
Faucet, Cold, Consumption, Bathroom, Girls', Middle Sink, Main Building, 1st	Furnace	Lead	1 ug/L	29 ug/L	28.5 ug/L. This
	AA				results meets or
					exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.
Faucet, Cold, Consumption, Bathroom, Girls', Right Sink, Main Building, 1st	Furnace	Lead	1 ug/L	34 ug/L	34.4 ug/L. This
	AA				results meets or
					exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.
Faucet, Cold, Consumption, Bathroom, Boys', Right Sink, Main Building, 1st	Furnace	Lead	1 ug/L	11 ug/L	11.4 ug/L. This
	AA				results meets or
					exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.
Faucet, Cold, Consumption, Bathroom, Boys', Middle Sink, Main Building, 1st	Furnace	Lead	1 ug/L	10 ug/L	10.1 ug/L. This
	AA				results meets or
					exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.
Faucet, Cold, Consumption, Classroom (Science Lab), Laboratory, Middle	Furnace	Lead	1 ug/L	9.4	This results meets or
	AA			ug/L	exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.
Location	**Type**	**Analyte**	**Limit**	**Result**	
Faucet, Cold, Consumption, Classroom (Science Lab), Laboratory, Left Sink,	Furnace	Lead	1 ug/L	6.7	This results meets or
	AA			ug/L	exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.

Faucet, Cold, Consumption, Classroom (Science Lab), Laboratory, Right Sink,	Furnace	Lead	1 ug/L	7 ug/L	7.0 ug/L. This results
	AA				meets or exceeds
					the 5.5ppb action
					level as established
					by MDE for schools.
Faucet, Cold, Consumption, Kitchen, Kitchen, Left Sink, Main Building, 1st	Furnace	Lead	1 ug/L	15 ug/L	14.5 ug/L. This
	AA				results meets or
					exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.
Faucet, Cold, Consumption, Kitchen, Kitchen, Middle Sink, Main Building, 1st	Furnace	Lead	1 ug/L	13 ug/L	12.8 ug/L. This
	AA				results meets or
					exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.
Faucet, Cold, Consumption, Kitchen, Kitchen, Right Sink, Main Building, 1st	Furnace	Lead	1 ug/L	26 ug/L	26.2 ug/L. This
	AA				results meets or
					exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.
Faucet, Cold, Consumption, Bathroom, Boys' by Gym, Sink, Main Building, 1st	Furnace	Lead	1 ug/L	8.7	This results meets or
	AA			ug/L	exceeds the 5.5ppb
					action level as
					established by MDE
					for schools.

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 elevated outlets have been either shut down or signage posted directed as "Do Not drink Water – Wash Hands Only." (This action was taken in January,2022 when test results were received)

I single designated "Draw" outlet {with a commercial water filter attached also} has been tested for lead levels on September 4th, 2024 (Attached Document) with conclusions to safe levels; is the primary source of all bottled portable drinking water coolers placed throughout the school building for all access/consumption.

NEXT STEPS

Additional bottled water coolers will be added if needs arise to accommodate ease of availability. The designated singe "draw" outlet for all bottled water coolers will be tested on an annual basis and reported through the Maryland Department of the Environment.

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 **St. John Catholic School Westminster *John Novak facilities Director*** at ***410-840-0984***. 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.

AMA Analytical Services, Inc.
Focused On Results.

Maryland
Water Quality
Lab #262W

NY ELAP
10920

CERTIFICATE OF ANALYSIS

Chain of Custody:	661468	**Job Name:**	AOB St John Westminster	**Date Submitted:**	09/04/2024
Client:	Aerosol Monitoring & Analysis, Inc	**Job Location:**	Water Sampling	**Date Analyzed:**	09/06/2024
Address:	PO Box 646 1331 Ashton Road Hanover Maryland 21076	**Job Number:**	24078	**Report Date:**	09/11/2024
Attention:	Mike Novak	**P.O. Number:**	Not Provided	**Date Sampled:**	09/04/2024
				Person Submitting:	Ron Stallard

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
661468-1	240780904-01	09/04/2024 7:32 AM	New Wing-Room 129	ICP	Lead	0.5 ug/L	2.9 ug/L	

Analysis Method: ICP: EPA 200.8 (Rev. 5.4)
Preparation Method: None
mg/L = Parts Per Million (ppm), N/A = Not Applicable, µg/L = Parts Per Billion, N/P = Not Provided

Sample Collector: Ron Stallard
Certification:

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Paul Littleton

Technical Director George Land

AMA Analytical Services, Inc.
Focused On Results.

QC Summary for SDG #80959

Overview

Analysis Type: ICP
Sample Type: Lead Water
Analysis Date: 09/06/2024

Samples Included

661468-1

Preparation Blank ✓

Result: 0.000 ppm

Report Limit Verification Sample ✓

Percent Recovery: 111.4 %

Duplicates ✓

RPD: 0.6 %

Matrix Spike Analysis ✓

Spiked Sample Percent Recovery: 101.8%
Spike Duplicate Percent Recovery: 102.1%
RPD: 0.3%

Matrix Blank ✓

Result: 0.000 ppm

Lab Control Sample #1 ✓

Percent Recovery: 101.36 %

Lab Control Sample #2 ✓

Percent Recovery: 101.53 %

Reference Sample ✓

Percent Recovery: 104.3%

Calibration Curve ✓

Correlation: 1.0

Serial Dilution / Bench Spike

Serial Dilution RPD: N/A
Bench Spike Percent Recovery: N/A

Notes

4475 Forbes Blvd. · Lanham, MD, 20706 · (301) 459-2640 · Toll Free (800) 346-0961 · Fax (301) 459-2643

AMA Analytical Services, Inc.
Focused On Results.
AIHA-LAP (#100470) NVLAP (#101143-0) NY ELAP (#10920)
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(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643
www.amalab.com

(COC # Assigned upon arrival at lab.)

6 61468

LEAD CHAIN OF CUSTODY

Mailing/Billing Information:
Client Name: Aerosol Monitoring & Analysis
Address: 1331-A Ashton Road
Address: Hanover, MD 21076
Address:
Phone #: 410-684-3327 Fax #:

Submittal Information:
Job Name: AOB St. John Westminster
Job Location: Water Sampling
Job #: 24078 P.O. #:
Point of Contact: M. Novak Phone #: 410.684.3327
Collected by: Ron Stallard Cell #: N/A

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day & email/fax to contacts of file.

TURN AROUND TIME (TAT):			REPORT TO:
After Hours (must be pre-scheduled)	Normal Business Hours		
☐ Immediate Date Due:	☐ 4-Hour ☐ 2-Day ■ 5 Day +		■ Email: mnovak@amaconsulting.com
☐ 24 Hours Time:	☐ Same Day ☐ 3-Day ☐ Results Required by Noon		☐ Email CC 1:
Comments:	☐ Next Day Due Date: 9/11		☐ Email CC 2:
			☐ Verbals

Sample Type

☐ Paint Chip_____(QTY) ☐ Air_____(QTY) ☐ Soil/Solid_____(QTY) ☐ Dust Wipe (wipe type_____)_____(QTY)
☐ TCLP_____(QTY) ■ Drinking Water 1 (QTY) ☐ Waste Water_____(QTY) ☐ Furnace (Media type_____)_____(QTY)

*If field data sheets are submitted, there is no need to complete bottom section ☑ All samples received in good condition unless otherwise noted.

Sample Information					Analysis Matrix				Client Contact (Laboratory Staff Only)
Sample Number	Sample Collection Location/Surface	Date/Time	Volume (L)	Paint Chip / Wipe Area	Air	Paint Chip or Soil/Solid	Dust	Water & Other	
									Date/Time: Contact: By:
	see attached field data sheets							X	
									Date/Time: Contact: By:
									Date/Time: Contact: By:

	Print Name	Sign Name	Date	Time	Shipping Information
Relinquised by:	R. Stallard	R M Stallard	09.04.2024		☐ UPS ☒ In-Person ☐ Other
Received by:	LS	L	9-4-24	1018	☐ FedEx ☐ Drop Box ☐ USPS ☐ Courier

Aerosol Monitoring & Analysis, Inc.
Environmental Consultants

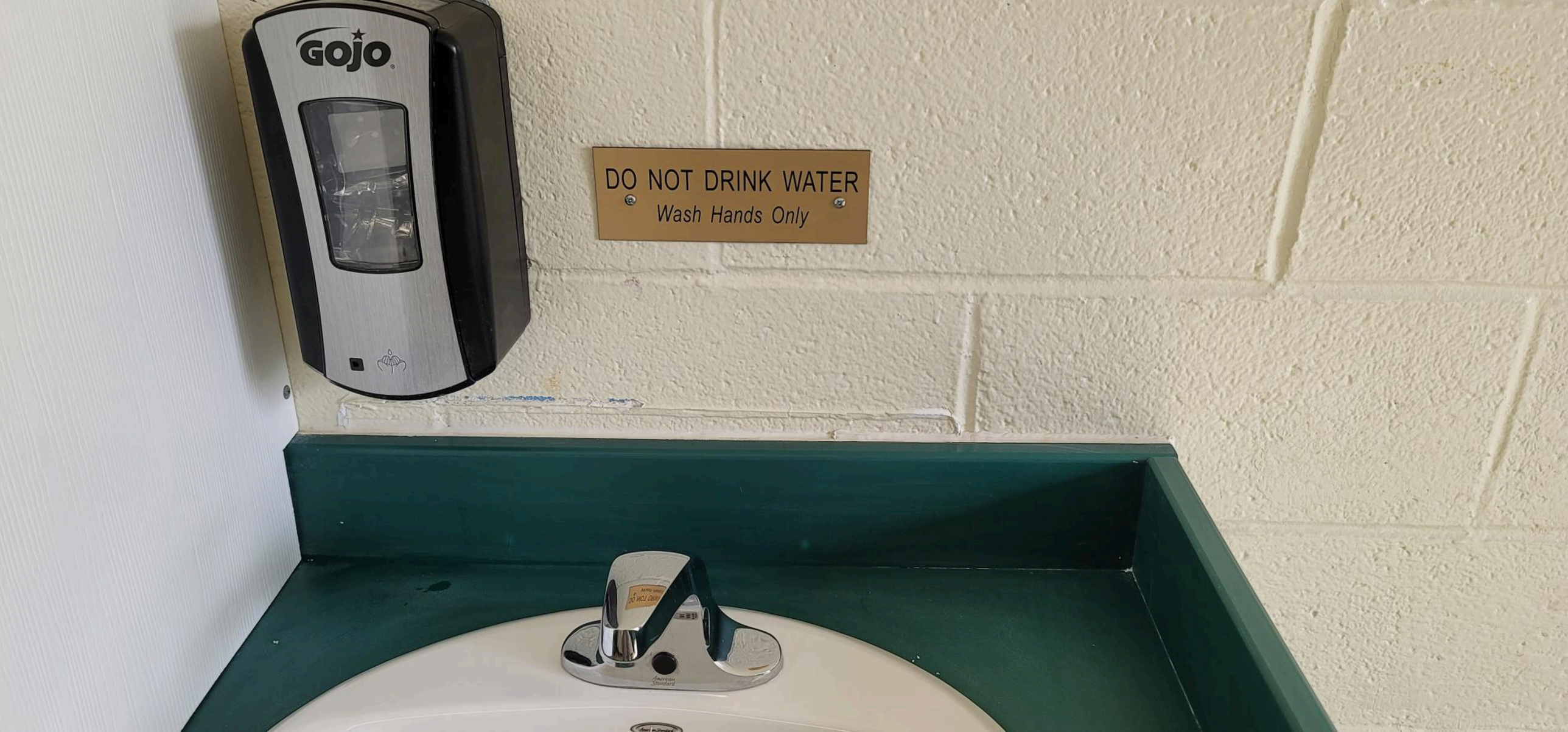
Job Number:	24078	Page	1	of	1
Job Name / Date:	AOB St. St. John School Westminster / 09.04.2024				

LEAD IN WATER
SAMPLE DATA SHEET

Draw Station

Sample #	Sample Location	Draw		Sink		Fountain		Time Off	Sample Time
		1st	2nd	Hot	Cold	Cooler	Bubbler		
240780904-01	New Wing - Room 129	X			X			7:00PM	7:32 AM

1331 Ashton Road• P.O. Box 646•Hanover, MD 21076•410-684-3327• FAX: 410-684-3384
www.amaconsulting.com


GOJO
DO NOT DRINK WATER
Wash Hands Only