



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 640789  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Bonnie Branch Middle School  
**Job Location:** 4979 Ilchester Road, Ellicott City, MD  
21043  
**Job Number:** 13.071  
**P.O. Number:** Not Provided

**Date Submitted:** 10/21/2022  
**Date Analyzed:** 10/27/2022  
**Report Date:** 10/28/2022  
**Date Sampled:** 10/11/2022 & 10/12/2022 JK  
**Person Submitting:** Jeff Klenk

## Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Sample Collection Information	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
640789-1	BBMS 1 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-2	BBMS 2 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-3	BBMS 3 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Staff Workroom, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-4	BBMS 4 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-5	BBMS 6 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-6	BBMS 8 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-7	BBMS 13 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-8	BBMS 14 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-9	BBMS 15 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-10	BBMS 16 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Cafeteria, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-11	BBMS 18 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-12	BBMS 18BW First-Draw	10/12/2022 6:15 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Hallway, , Chiller Style, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-13	BBMS 19 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-14	BBMS 20 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	



# CERTIFICATE OF ANALYSIS

<b>Chain of Custody:</b> 640789	<b>Job Name:</b> Bonnie Branch Middle School	<b>Date Submitted:</b> 10/21/2022
<b>Client:</b> Howard County Public School System	<b>Job Location:</b> 4979 Ilchester Road, Ellicott City, MD 21043	<b>Date Analyzed:</b> 10/27/2022
<b>Address:</b> 10910 Route 108 Ellicott City, MD 21042	<b>Job Number:</b> 13.071	<b>Report Date:</b> 10/28/2022
<b>Attention:</b> Jeff Klenk	<b>P.O. Number:</b> Not Provided	<b>Date Sampled:</b> 10/11/2022 & 10/12/2022 JK
		<b>Person Submitting:</b> Jeff Klenk

## Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Sample Collection Information		Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
		Date/Time	Location					
640789-15	BBMS 21 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.58 ug/L	
640789-16	BBMS 22 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-17	BBMS 23 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-18	BBMS 24 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.77 ug/L	
640789-19	BBMS 25 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-20	BBMS 26 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.3 ug/L	
640789-21	BBMS 28 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-22	BBMS 29 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Media Center, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-23	BBMS 30 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-24	BBMS 33 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-25	BBMS 34 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-26	BBMS 37 First-Draw	10/11/2022 6:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640789-27	BBMS 38 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.3 ug/L	
640789-28	BBMS 39 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.2 ug/L	



## CERTIFICATE OF ANALYSIS

<b>Chain of Custody:</b> 640789	<b>Job Name:</b> Bonnie Branch Middle School	<b>Date Submitted:</b> 10/21/2022
<b>Client:</b> Howard County Public School System	<b>Job Location:</b> 4979 Ilchester Road, Ellicott City, MD 21043	<b>Date Analyzed:</b> 10/27/2022
<b>Address:</b> 10910 Route 108 Ellicott City, MD 21042	<b>Job Number:</b> 13.071	<b>Report Date:</b> 10/28/2022
<b>Attention:</b> Jeff Klenk	<b>P.O. Number:</b> Not Provided	<b>Date Sampled:</b> 10/11/2022 & 10/12/2022 JK
		<b>Person Submitting:</b> Jeff Klenk

### Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Sample Collection Information	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
640789-29	BBMS 40 First-Draw	10/11/2022 6:09 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	

**Analysis Methods:** Flame AA: APHA SM3111B (1999, 22nd Ed.), Furnace AA: APHA SM3113B (2010, 22nd Ed.), ICP: EPA 200.8 (Rev. 5.4)

mg/L = Parts Per Million (ppm), N/A = Not Applicable, µg/L = Parts Per Billion, N/P = Not Provided

**Analyst(s):** Jean-Paul Littleton

**Sample Collector:** Jeff Klenk (18BW) & Shakia Dawkins (all others)

**Certification:**

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

**Technical Director** George Land

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, AIHA-LAP, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.