



CERTIFICATE OF ANALYSIS

Chain of Custody: 640788
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Burleigh Manor Middle School
Job Location: 4200 Centennial Lane, Ellicott City,
MD 21042
Job Number: 13.046
P.O. Number: Not Provided

Date Submitted: 10/21/2022
Date Analyzed: 10/31/2022
Report Date: 10/31/2022
Date Sampled: 10/18/2022 & 10/19/2022 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
640788-1	BMMS 1 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	8.4 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
640788-2	BMMS 2 First-Draw	10/18/2022 6:00 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
640788-3	BMMS 2BW First-Draw	10/19/2022 6:20 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Hallway, , Chiller Style, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	1.8 ug/L	
640788-4	BMMS 5 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	1.2 ug/L	
640788-5	BMMS 8 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Media Center, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	8.5 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
640788-6	BMMS 9 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Office, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	1.3 ug/L	
640788-7	BMMS 10 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Office, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	4.2 ug/L	
640788-8	BMMS 13 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.62 ug/L	
640788-9	BMMS 19 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.71 ug/L	



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640788-10	BMMS 20 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Office, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.3 ug/L	
640788-11	BMMS 21 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Office, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.8 ug/L	
640788-12	BMMS 23 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Cafeteria, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.9 ug/L	
640788-13	BMMS 24 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Cafeteria, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.87 ug/L	
640788-14	BMMS 25 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	8.6 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
640788-15	BMMS 26 First-Draw	10/18/2022 6:00 am	Commercial Kitchen Kettle, Cold (i.e., faucet leading into kettle), Consumption, Kitchen, , Kettle, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	7.1 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.



CERTIFICATE OF ANALYSIS

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640788-16	BMMS 27 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	6.9 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
640788-17	BMMS 28 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.6 ug/L	
640788-18	BMMS 29 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.4 ug/L	
640788-19	BMMS 30 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	0.63 ug/L	
640788-20	BMMS 31 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	3.2 ug/L	
640788-21	BMMS 32 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	2 ug/L	2.0 ug/L.
640788-22	BMMS 33 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	3 ug/L	3.0 ug/L.
640788-23	BMMS 34 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	2.9 ug/L	
640788-24	BMMS 35 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
640788-25	BMMS 36 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	0.88 ug/L	
640788-26	BMMS 37 First-Draw	10/18/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	2.5 ug/L	



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640788-27	BMMS 40 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	2.7 ug/L	
640788-28	BMMS 41 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	6.5 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
640788-29	BMMS 42 First-Draw	10/18/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.4 ug/L	
640788-30	BMMS 43F First-Draw	10/18/2022 6:00 am	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.8 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)

Sample Collector: Jeff Klenk (2BW) & Greg Harrison (all others)
Certification:

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

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

Analyst(s): Jean-Paul Littleton

Technical Director George Land

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