



CERTIFICATE OF ANALYSIS

Chain of Custody: 631447
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Harper's Choice Middle School
Job Location: 5450 Beaverkill Road, Columbia, MD
21044
Job Number: 13.003
P.O. Number: Not Provided

Date Submitted: 12/10/2021
Date Analyzed: 12/17/2021
Report Date: 12/17/2021
Date Sampled: 12/02/2021
Person Submitting: 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					
631447-1	HCMS 1 Flush	12/02/2021 5:30 am	Faucet, Cold, Consumption, Kitchen, , Sink, ,	ICP	Lead	0.5 ug/L	2.7 ug/L	
631447-2	HCMS 2 Flush	12/02/2021 5:30 am	Faucet, Cold, Consumption, Kitchen, , Sink, ,	ICP	Lead	0.5 ug/L	2.2 ug/L	
631447-3	HCMS 3 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Cafeteria, , Fountain, ,	ICP	Lead	0.5 ug/L	3.7 ug/L	
631447-4	HCMS 4 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	0.89 ug/L	
631447-5	HCMS 5 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Locker Room, , Fountain, ,	ICP	Lead	0.5 ug/L	13 ug/L	12.7 ug/L. This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
631447-6	HCMS 6 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Locker Room, , Fountain, ,	ICP	Lead	0.5 ug/L	4.2 ug/L	
631447-7	HCMS 7 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631447-8	HCMS 9 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631447-9	HCMS 10 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631447-10	HCMS 11 First-Draw	12/02/2021 5:30 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, ,	ICP	Lead	0.5 ug/L	0.54 ug/L	
631447-11	HCMS 12 First-Draw	12/02/2021 5:30 am	Faucet, Cold, Consumption, Media Center, , Sink, ,	ICP	Lead	0.5 ug/L	0.72 ug/L	
631447-12	HCMS 15 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	3.6 ug/L	
631447-13	HCMS 16 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Cafeteria, , Fountain, ,	ICP	Lead	0.5 ug/L	4.6 ug/L	



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		Date/Time	Location					
631447-14	HCMS 17 First-Draw	12/02/2021 5:30 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	2.5 ug/L	
631447-15	HCMS 26 First-Draw	12/02/2021 5:30 am	Faucet, Cold, Consumption, Classroom, , Sink, ,	ICP	Lead	0.5 ug/L	0.63 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
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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