



CERTIFICATE OF ANALYSIS

Chain of Custody: 641776
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Mt View Middle School
Job Location: 12101 Woodford Drive, Marriottsville,
MD 21104
Job Number: 13.049
P.O. Number: Not Provided

Date Submitted: 11/18/2022
Date Analyzed: 11/29/2022
Report Date: 11/29/2022
Date Sampled: 11/16/2022 - 11/17/2022
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					
641776-1	MVMS 1 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Staff Workroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	7.4 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
641776-2	MVMS 2 First-Draw	11/16/2022 5:50 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	
641776-3	MVMS 4 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.5 ug/L	
641776-4	MVMS 5 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.9 ug/L	
641776-5	MVMS 6 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.1 ug/L	
641776-6	MVMS 7 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.7 ug/L	
641776-7	MVMS 8 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.5 ug/L	
641776-8	MVMS 9 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.7 ug/L	
641776-9	MVMS 10 First-Draw	11/16/2022 5:50 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	
641776-10	MVMS 11 First-Draw	11/16/2022 5:50 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	
641776-11	MVMS 12F First-Draw	11/16/2022 5:50 am	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.5 ug/L	



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641776-12	MVMS 18 First-Draw	11/16/2022 5:50 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	
641776-13	MVMS 19 First-Draw	11/16/2022 5:50 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	
641776-14	MVMS 20 First-Draw	11/16/2022 5:50 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	
641776-15	MVMS 21 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.3 ug/L	
641776-16	MVMS 22 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.1 ug/L	
641776-17	MVMS 24 First-Draw	11/16/2022 5:50 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	
641776-18	MVMS 24BW First-Draw	11/17/2022 6:00 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	
641776-19	MVMS 27 First-Draw	11/16/2022 5:50 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	
641776-20	MVMS 28 First-Draw	11/16/2022 5:50 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	
641776-21	MVMS 29 First-Draw	11/16/2022 5:50 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	
641776-22	MVMS 30 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.8 ug/L	
641776-23	MVMS 31 First-Draw	11/16/2022 5:50 am	Ice Machine (Stand Alone), Consumption, Kitchen, , Ice Maker, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641776-24	MVMS 32 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.6 ug/L	
641776-25	MVMS 33 First-Draw	11/16/2022 5:50 am	Commercial Kitchen Kettle, Cold (i.e., faucet leading into kettle), Consumption, Kitchen, , Kettle, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.1 ug/L	



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641776-26	MVMS 34 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	17 ug/L	16.9 ug/L. This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
641776-27	MVMS 35 First-Draw	11/16/2022 5:50 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	
641776-28	MVMS 36F First-Draw	11/16/2022 5:50 am	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	2.6 ug/L	
641776-29	MVMS 37F First-Draw	11/16/2022 5:50 am	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	8.1 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
641776-30	MVMS 38 First-Draw	11/16/2022 5:50 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	
641776-31	MVMS 40 First-Draw	11/16/2022 5:50 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	
641776-32	MVMS 41F First-Draw	11/16/2022 5:50 am	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	17 ug/L	
641776-33	MVMS 42F First-Draw	11/16/2022 5:50 am	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	2.2 ug/L	



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641776-34	MVMS 44 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Media Center, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	0.89 ug/L	
641776-35	MVMS 45 First-Draw	11/16/2022 5:50 am	Faucet, Cold, Consumption, Media Center, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	8.1 ug/L	
641776-36	MVMS 46 First-Draw	11/16/2022 5:50 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	

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 (24BW) & Jackson Hoazman (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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