



CERTIFICATE OF ANALYSIS

Chain of Custody: 641783
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Wilde Lake Middle Scholl
Job Location: 10481 Cross Fox Lane, Columbia,MD
21044
Job Number: 13.060
P.O. Number: Not Provided

Date Submitted: 11/18/2022
Date Analyzed: 11/29/2022
Report Date: 11/29/2022
Date Sampled: 11/10/2022 - 11/11/2022
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
641783-1	WLMS 1 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.54 ug/L	
641783-2	WLMS 2 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.64 ug/L	
641783-3	WLMS 3 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.74 ug/L	
641783-4	WLMS 4 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.52 ug/L	
641783-5	WLMS 5 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.56 ug/L	
641783-6	WLMS 6 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-7	WLMS 7 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-8	WLMS 8 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-9	WLMS 9 First-Draw	11/10/2022 11/11/2022 6:00 am JK 6:19 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	
641783-10	WLMS 9BW First-Draw	11/10/2022 11/11/2022 6:11 am JK 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	
641783-11	WLMS 10 First-Draw	11/10/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-12	WLMS 11 First-Draw	11/10/2022 6:00 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Cafeteria, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-13	WLMS 11BW First-Draw	11/11/2022 6:19 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Cafeteria, , Chiller Style, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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641783-14	WLMS 12 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	7.2 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
641783-15	WLMS 13 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.61 ug/L	
641783-16	WLMS 14 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.68 ug/L	
641783-17	WLMS 15 First-Draw	11/10/2022 6:00 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-18	WLMS 15BW First-Draw	11/11/2022 6:19 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Locker Room, , Chiller Style, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-19	WLMS 16 First-Draw	11/10/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-20	WLMS 17 First-Draw	11/10/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-21	WLMS 18F First-Draw	11/10/2022 6:00 am	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-22	WLMS 23 First-Draw	11/10/2022 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	
641783-23	WLMS 23BW First-Draw	11/11/2022 6:19 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	
641783-24	WLMS 28 First-Draw	11/10/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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641783-25	WLMS 29 First-Draw	11/10/2022 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	
641783-26	WLMS 29BW First-Draw	11/11/2022 6:19 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	
641783-27	WLMS 30 First-Draw	11/10/2022 6:00 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-28	WLMS 31F First-Draw	11/10/2022 6:00 am	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Nurse's Office/Health Room, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-29	WLMS 31S First-Draw	11/11/2022 6:19 am	Combination Sink - Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-30	WLMS 32 First-Draw	11/10/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-31	WLMS 33F First-Draw	11/10/2022 6:00 am	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-32	WLMS 34 First-Draw	11/10/2022 6:00 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-33	WLMS 34BW First-Draw	11/11/2022 6:19 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Hallway, , Chiller Style, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-34	WLMS 37 First-Draw	11/10/2022 6:00 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-35	WLMS 38 First-Draw	11/10/2022 6:00 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
641783-36	WLMS 38BW First-Draw	11/11/2022 6:19 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Hallway, , Chiller Style, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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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 (all BW samples) & TJ Howell (all other samples)
Certification:

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

Technical Director George Land

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