



CERTIFICATE OF ANALYSIS

Chain of Custody: 642201
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Wilde Lake High School
Job Location: 5460 Trumpeter Road, Columbia, MD
21044
Job Number: 13.058
P.O. Number: Not Provided

Date Submitted: 12/09/2022
Date Analyzed: 12/19/2022
Report Date: 12/20/2022
Date Sampled: 12/07/2022 & 12/8/2022 JK
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					
642201-1	WLHS 1 First-Draw	12/07/2022 5:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, Basement	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
642201-2	WLHS 2 First-Draw	12/07/2022 5:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, Basement	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
642201-3	WLHS 3 First-Draw	12/07/2022 5:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Basement	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
642201-4	WLHS 4 First-Draw	12/07/2022 5:09 am	Ice Machine (Stand Alone), Consumption, Storage Room/Area, , Ice Maker, Main Bldg, Basement	ICP	Lead	0.5 ug/L	5.6 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
642201-5	WLHS 5 Flush	12/08/2022 6:25 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
642201-6	WLHS 6 Flush	12/08/2022 6:25 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.5 ug/L	0.50 ug/L
642201-7	WLHS 7 First-Draw	12/07/2022 5:09 am	Commercial Kitchen Kettle, Cold (i.e., faucet leading into kettle), Consumption, Kitchen, , Kettle, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
642201-8	WLHS 9 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.9 ug/L	
642201-9	WLHS 10 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.8 ug/L	
642201-10	WLHS 11 First-Draw	12/07/2022 5:09 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	
642201-11	WLHS 12 First-Draw	12/07/2022 5:09 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	



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642201-12	WLHS 13 First-Draw	12/07/2022 5:09 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	
642201-13	WLHS 14 First-Draw	12/07/2022 5:09 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	
642201-15	WLHS 16 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Concessions, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.2 ug/L	
642201-16	WLHS 17 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.9 ug/L	
642201-17	WLHS 19 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Staff Workroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.63 ug/L	
642201-18	WLHS 20 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.3 ug/L	
642201-19	WLHS 22 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Storage Room/Area, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	5.1 ug/L	
642201-20	WLHS 23 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Concessions, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.4 ug/L	
642201-21	WLHS 24 First-Draw	12/07/2022 5:09 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	
642201-22	WLHS 24BW First-Draw	12/08/2022 6:25 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	
642201-23	WLHS 25 First-Draw	12/07/2022 5:09 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	
642201-24	WLHS 26 First-Draw	12/07/2022 5:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.52 ug/L	
642201-25	WLHS 27 First-Draw	12/07/2022 5:09 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	
642201-26	WLHS 28 First-Draw	12/07/2022 5:09 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	



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642201-27	WLHS 29F First-Draw	12/08/2022 6:25 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	
642201-28	WLHS 29S First-Draw	12/07/2022 5:09 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
642201-29	WLHS 30 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.3 ug/L	
642201-30	WLHS 31 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.4 ug/L	
642201-31	WLHS 32 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.6 ug/L	
642201-32	WLHS 33 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.2 ug/L	
642201-33	WLHS 34 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	5.2 ug/L	
642201-34	WLHS 35 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.8 ug/L	
642201-35	WLHS 36 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1 ug/L	1.0 ug/L
642201-36	WLHS 38 First-Draw	12/07/2022 5:09 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	
642201-37	WLHS 39 First-Draw	12/07/2022 5:09 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	
642201-38	WLHS 40 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	3.2 ug/L	
642201-39	WLHS 41 First-Draw	12/07/2022 5:09 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	
642201-40	WLHS 42 First-Draw	12/07/2022 5:09 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	



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642201-41	WLHS 43 First-Draw	12/07/2022 5:09 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 2nd Floor	ICP	Lead	0.5 ug/L	8 ug/L	8.0 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
642201-42	WLHS 46 First-Draw	12/07/2022 5:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 3rd Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
642201-43	WLHS 47 First-Draw	12/07/2022 5:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 3rd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
642201-44	WLHS 48 First-Draw	12/07/2022 5:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 3rd Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
642201-45	WLHS 49 First-Draw	12/07/2022 5:09 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 3rd 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 (5, 6, 24BW, & 29F) & Jackson Holtzman (all others)
Certification:

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

Technical Director Jean-Paul Littleton

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