



CERTIFICATE OF ANALYSIS

Chain of Custody: 635053
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Mayfield Woods Middle School
Job Location: 7950 Red Barn Way, Elkridge, MD
21075
Job Number: 13.045
P.O. Number: Not Provided

Date Submitted: 04/11/2022
Date Analyzed: 04/18/2022
Report Date: 04/18/2022
Date Sampled: 04/07/2022 - 04/08/2022
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					
635053-1	MWMS 2A First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-2	MWMS 2B Flush	04/08/2022 5:45 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-3	MWMS 4A First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.1 ug/L	
635053-4	MWMS 4B Flush	04/08/2022 5:45 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-5	MWMS 5A First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	5.1 ug/L	
635053-6	MWMS 5B Flush	04/08/2022 5:45 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-7	MWMS 6 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Cafeteria, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-8	MWMS 6BW First-Draw	04/08/2022 5:45 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-9	MWMS 7 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-10	MWMS 8 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3 ug/L	3.0 ug/L.
635053-11	MWMS 9 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-12	MWMS 10 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.9 ug/L	
635053-13	MWMS 11 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Office, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-14	MWMS 12 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.2 ug/L	



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635053-15	MWMS 14 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	4.3 ug/L	
635053-16	MWMS 15 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	6.5 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
635053-17	MWMS 16 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	5.2 ug/L	
635053-18	MWMS 17 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	5.2 ug/L	
635053-19	MWMS 18 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	9.8 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
635053-20	MWMS 19 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	8.1 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.



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635053-21	MWMS 20 First-Draw	04/08/2022 5:45 am	Faucet, Cold, Consumption, Media Center, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2 ug/L	2.0 ug/L.
635053-22	MWMS 21 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-23	MWMS 21BW First-Draw	04/08/2022 5:45 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Bottle Filler, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-24	MWMS 23F First-Draw	04/07/2022 5:41 am	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	12 ug/L	12.1 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
635053-25	MWMS 23S First-Draw	04/08/2022 5:45 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	12 ug/L	11.8 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.



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635053-26	MWMS 25S First-Draw	04/08/2022 5:45 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	26 ug/L	26.1 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
635053-27	MWMS 27 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-28	MWMS 28 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-29	MWMS 30F First-Draw	04/07/2022 5:41 am	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-30	MWMS 32 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-31	MWMS 32BW First-Draw	04/08/2022 5:45 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Bottle Filler, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635053-32	MWMS 37 First-Draw	04/07/2022 5:41 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	< 1 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)				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): Nida McGarvey								

Technical Director George Land

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