

CERTIFICATE OF ANALYSIS

Chain of Custody: 663919	Job Name: Waterloo Elementary School	Date Submitted: 11/25/2024
Client: Howard County Public School System	Job Location: 5940 Waterloo Road, Columbia, MD 21045	Date Analyzed: 12/17/2024
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.062	Report Date: 12/20/2024
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 11/19/2024 - 11/22/2024
		Person Submitting: John D. Farmer, III

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
663919-1	: WATES-1 First-Draw	11/19/2024 6:40 AM	Faucet, Cold, Yes (= Consumption), Kitchen, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.54 ug/L	
663919-2	: WATES-2 First-Draw	11/19/2024 6:45 AM	Faucet, Cold, Yes (= Consumption), Kitchen, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.65 ug/L	
663919-3	: WATES-3 First-Draw	11/19/2024 6:44 AM	Faucet, Cold, Yes (= Consumption), Kitchen, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
663919-4	: WATES-4 First-Draw	11/21/2024 6:14 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-5	: WATES-4BW First-Draw	11/22/2024 6:32 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Classroom, See Floor Plan, Bottle Fill, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-6	: WATES-5 First-Draw	11/19/2024 6:39 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-7	: WATES-7 First-Draw	11/21/2024 6:11 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-8	: WATES-7BW First-Draw	11/22/2024 6:31 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Hallway, See Floor Plan, Bottle Fill, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-9	: WATES-8 First-Draw	11/19/2024 6:41 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-10	: WATES-9 First-Draw	11/19/2024 6:34 AM	Faucet, Cold, Yes (= Consumption), Classroom, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.66 ug/L	
663919-11	: WATES-10 First-Draw	11/19/2024 6:35 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-12	: WATES-14 First-Draw	11/19/2024 6:37 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-13	: WATES-20 First-Draw	11/19/2024 6:37 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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663919-14	: WATES-32 First-Draw	11/19/2024 6:32 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-15	: WATES-37 First-Draw	11/21/2024 6:09 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-16	: WATES-38 First-Draw	11/19/2024 6:20 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-17	: WATES-39 First-Draw	11/19/2024 6:19 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.5 ug/L	
663919-18	: WATES-40 First-Draw	11/19/2024 6:18 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-19	: WATES-41 First-Draw	11/19/2024 6:17 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-20	: WATES-42 First-Draw	11/19/2024 6:16 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-21	: WATES-44 First-Draw	11/21/2024 6:06 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-22	: WATES-45 First-Draw	11/19/2024 6:11 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-23	: WATES-46 First-Draw	11/19/2024 6:13 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-24	: WATES-49 First-Draw	11/19/2024 6:12 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
663919-25	: WATES-52 First-Draw	11/19/2024 6:15 AM	Faucet, Cold, Yes (= Consumption), Hallway, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.82 ug/L	
663919-26	: WATES-57 First-Draw	11/19/2024 6:14 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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663919-27	: WATES-2 Flush	11/19/2024 6:47 AM	Faucet, Cold, Yes (= Consumption), Classroom, See Floor Plan, Sink, Main Bldg, 1st Floor					Void: Sample not analyzed, associated 1st Draw <5.5ppb
663919-28	: WATES-3 Flush	11/19/2024 6:47 AM	Faucet, Cold, Yes (= Consumption), Media Center, See Floor Plan, Sink, Main Bldg, 1st Floor					Void: Sample not analyzed, associated 1st Draw <5.5ppb

Analysis Method: ICP: EPA 200.8 (Rev. 5.4)
Preparation Method: None
mg/L = Parts Per Million (ppm), N/A = Not Applicable, µg/L = Parts Per Billion, N/P = Not Provided

Sample Collector: John D. Farmer, III
Certification:

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

Analyst(s): George Land



Technical Director _____
George Land

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