

## CERTIFICATE OF ANALYSIS

<b>Chain of Custody:</b> 657423	<b>Job Name:</b> Mt. Hebron High School	<b>Date Submitted:</b> 04/26/2024
<b>Client:</b> Howard County Public School System	<b>Job Location:</b> 9440 Old Frederick Road, Ellicott City, MD 21042	<b>Date Analyzed:</b> 05/02/2024
<b>Address:</b> 10910 Route 108 Ellicott City Maryland 21042	<b>Job Number:</b> 13.019	<b>Report Date:</b> 05/06/2024
<b>Attention:</b> Christopher Madden	<b>P.O. Number:</b> Not Provided	<b>Date Sampled:</b> 04/18/2024
		<b>Person Submitting:</b> 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
657423-1	1: MHHS-1 First Draw	04/18/2024 4:57 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.7 ug/L	
657423-2	2: MHHS-2 First-Draw	04/18/2024 4:59 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-3	3: MHHS-3 First-Draw	04/18/2024 5:00 AM	Ice Machine (Stand Alone), Yes (= Consumption), Kitchen, , Ice Maker, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-4	4: MHHS-4 First-Draw	04/18/2024 5:05 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-5	5: MHHS-4BW First-Draw	04/16/2024 6:51 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Cafeteria, , Bottle Filter, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-6	6: MHHS-5 First-Draw	04/18/2024 5:06 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-7	7: MHHS-6 First-Draw	04/18/2024 5:21 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-8	8: MHHS-7 First-Draw	04/18/2024 5:22 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-9	9: MHHS-8 First-Draw	04/18/2024 5:24 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-10	10: MHHS-9 First-Draw	04/18/2024 5:25 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-11	11: MHHS-10 First-Draw	04/18/2024 5:38 AM	Faucet, Cold, Yes (= Consumption), Weight/Training/Fitness Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.6 ug/L	
657423-12	15: MHHS-14 First-Draw	04/18/2024 5:37 AM	Spigot (with threadings for hose connection), Yes (= Consumption), Weight/Training/Fitness Room, , Spigot, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-13	16: MHHS-15 First-Draw	04/18/2024 5:27 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Weight/Training/Fitness Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	

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657423-14	17: MHHS-16 First-Draw	04/18/2024 5:28 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Weight/Training/Fitness Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-15	18: MHHS-17 First-Draw	04/18/2024 5:33 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-16	19: MHHS-18 First-Draw	04/18/2024 5:34 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-17	20: MHHS-21 First-Draw	04/18/2024 5:46 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-18	21: MHHS-22 First-Draw	04/18/2024 5:48 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-19	22: MHHS-24 First-Draw	04/18/2024 5:52 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-20	23: MHHS-25 First-Draw	04/18/2024 5:53 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Classroom, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-21	24: MHHS-26 First-Draw	04/18/2024 5:55 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-22	25: MHHS-27 First-Draw	04/18/2024 5:56 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-23	26: MHHS-28 First-Draw	04/18/2024 6:00 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-24	27: MHHS-29 First-Draw	04/18/2024 6:01 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-25	28: MHHS-30 First-Draw	04/18/2024 6:44 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	

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657423-26	29: MHHS-31 First-Draw	04/18/2024 6:45 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-27	30: MHHS-32 First-Draw	04/18/2024 6:35 AM	Faucet, Cold, Yes (= Consumption), Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-28	31: MHHS-33 First-Draw	04/18/2024 6:33 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-29	32: MHHS-34 First-Draw	04/18/2024 6:32 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-30	33: MHHS-34BW First-Draw	04/16/2024 6:54 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Hallway, , Bottle Filler, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-31	34: MHHS-35 First-Draw	04/18/2024 6:41 AM	Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-32	35: MHHS-36 First-Draw	04/18/2024 6:24 AM	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	138 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
657423-33	36: MHHS-37 First-Draw	04/18/2024 6:25 AM	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	35.0 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
657423-34	37: MHHS-38 First-Draw	04/18/2024 6:26 AM	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	581 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
657423-35	38: MHHS-39 First-Draw	04/18/2024 6:27 AM	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	66.6 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
657423-36	39: MHHS-40 First-Draw	04/18/2024 6:28 AM	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	140. ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
657423-37	40: MHHS-41 First-Draw	04/18/2024 6:29 AM	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	11.3 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
657423-38	41: MHHS-42 First-Draw	04/18/2024 6:16 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	1.9 ug/L	

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657423-39	42: MHHS-43 First-Draw	04/18/2024 6:17 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	1.4 ug/L	
657423-40	43: MHHS-44 First-Draw	04/18/2024 6:13 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-41	44: MHHS-45 First-Draw	04/18/2024 6:14 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-42	45: MHHS-50 First-Draw	04/18/2024 6:09 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-43	46: MHHS-51 First-Draw	04/18/2024 6:10 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-44	47: MHHS-52 First-Draw	04/18/2024 6:19 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-45	48: MHHS-53 First-Draw	04/18/2024 6:20 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-46	49: MHHS-54 First-Draw	04/18/2024 5:16 AM	Faucet, Cold, Yes (= Consumption), Concessions, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.0 ug/L	
657423-47	50: MHHS-55 First-Draw	04/18/2024 5:14 AM	Faucet, Cold, Yes (= Consumption), Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-48	51: MHHS-56 First-Draw	04/18/2024 5:10 AM	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-49	52: MHHS-57 First-Draw	04/18/2024 5:11 AM	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3.2 ug/L	
657423-50	53: MHHS-58 First-Draw	04/18/2024 6:04 AM	Spigot (with threadings for hose connection), Yes (= Consumption), Outdoors, , Spigot, Main Bldg, Ground Floor	Furnace AA	Lead	1 ug/L	54.3 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
657423-51	54: MHHS-59 First-Draw	04/18/2024 7:00 AM	Ice Machine (Stand Alone), Yes (= Consumption), Stadium, , Ice Maker, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	
657423-52	55: MHHS-60 Flush	04/23/2024 7:33 AM	Commercial Kitchen Kettle, Cold (i.e., faucet leading into kettle), Yes (= Consumption), Kitchen, , Kettle, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	<1 ug/L	

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657423-53	56: MHHS-61 First-Draw	04/18/2024 7:02 AM	Faucet, Cold, Yes (= Consumption), Stadium, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	5.8 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.

Analysis Method: APHA SM 3113B (GFAA)  
Preparation Method: None  
mg/L = Parts Per Million (ppm), N/A = Not Applicable, µg/L = Parts Per Billion, N/P = Not Provided

Sample Collector: Kithsiri Rupasinghe & John Farmer III (BW/Kitchen/Stadium)  
Certification:

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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