

# CERTIFICATE OF ANALYSIS

<b>Chain of Custody:</b> 656117	<b>Job Name:</b> Hammond Elementary School	<b>Date Submitted:</b> 03/08/2024
<b>Client:</b> Howard County Public School System	<b>Job Location:</b> 8110 Aladdin Drive, Laurel, MD 20723	<b>Date Analyzed:</b> 03/13/2024
<b>Address:</b> 10910 Route 108 Ellicott City Maryland 21042	<b>Job Number:</b> 13.064	<b>Report Date:</b> 03/15/2024
<b>Attention:</b> Christopher Madden	<b>P.O. Number:</b> Not Provided	<b>Date Sampled:</b> 03/08/2024 <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
656117-1	1: HES-1 Flush	03/08/2024 7:00 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.59 ug/L	
656117-2	2: HES-2 Flush	03/08/2024 7:01 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.7 ug/L	
656117-3	3: HES-3 First-Draw	03/08/2024 6:58 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.80 ug/L	
656117-4	4: HES-3BW First-Draw	03/06/2024 6:58 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Cafeteria, , Bottle Filler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.8 ug/L	
656117-5	5: HES-4 First-Draw	03/08/2024 6:20 AM	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.70 ug/L	
656117-6	6: HES-7 First-Draw	03/08/2024 6:28 AM	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-7	7: HES-8 First-Draw	03/08/2024 6:22 AM	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-8	8: HES-9 First-Draw	03/08/2024 6:22 AM	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-9	9: HES-10 First-Draw	03/08/2024 6:23 AM	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-10	10: HES-11 First-Draw	03/08/2024 6:23 AM	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-11	11: HES-12F First-Draw	03/08/2024 6:25 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-12	12: HES-13F First-Draw	03/08/2024 6:25 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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656117-13	13: HES-15F First-Draw	03/08/2024 6:26 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-14	14: HES-16F First-Draw	03/08/2024 6:26 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-15	15: HES-17F First-Draw	03/08/2024 6:29 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-16	16: HES-18F First-Draw	03/08/2024 6:29 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-17	17: HES-19F First-Draw	03/08/2024 6:31 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-18	18: HES-20F First-Draw	03/08/2024 6:32 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-19	19: HES-21F First-Draw	03/08/2024 6:33 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-20	20: HES-22F First-Draw	03/08/2024 6:36 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-21	21: HES-23F First-Draw	03/08/2024 6:36 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-22	22: HES-24F First-Draw	03/08/2024 6:37 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-23	23: HES-25F First-Draw	03/08/2024 6:37 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-24	24: HES-26F First-Draw	03/08/2024 6:33 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.69 ug/L	

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656117-25	25: HES-27F First-Draw	03/08/2024 6:34 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-26	26: HES-28F First-Draw	03/08/2024 6:39 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-27	27: HES-29F First-Draw	03/08/2024 6:39 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-28	28: HES-30F First-Draw	03/08/2024 6:42 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-29	29: HES-31F First-Draw	03/08/2024 6:44 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-30	30: HES-32F First-Draw	03/08/2024 6:45 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-31	31: HES-33F First-Draw	03/08/2024 6:45 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-32	32: HES-34F First-Draw	03/08/2024 6:49 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-33	33: HES-35F First-Draw	03/08/2024 6:48 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-34	34: HES-36F First-Draw	03/08/2024 6:49 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-35	35: HES-37F First-Draw	03/08/2024 6:50 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-36	36: HES-38F First-Draw	03/08/2024 6:50 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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656117-37	37: HES-39F First-Draw	03/08/2024 6:51 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-38	38: HES-40F First-Draw	03/08/2024 6:52 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-39	39: HES-41F First-Draw	03/08/2024 6:52 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-40	40: HES-42 First-Draw	03/08/2024 6:13 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-41	41: HES-44 First-Draw	03/08/2024 6:17 AM	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-42	42: HES-45F First-Draw	03/08/2024 6:17 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Nurse's Office/Health Room, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
656117-43	43: HES-46 First-Draw	03/08/2024 6:25 AM	Faucet, Cold, Yes (= Consumption), Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
656117-44	44: HES-49F First-Draw	03/08/2024 6:15 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.56 ug/L	
656117-45	45: HES-50 First-Draw	03/08/2024 6:17 AM	Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.2 ug/L	

Sample Collector: Maria Burnette & John D. Farmer, III (BWs)  
Certification:

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

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

**Analyst(s):** Paul Littleton

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<div style="text-align: right; margin-right: 50px;">   <b>Technical Director</b> _____            George Land         </div>								

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