

## CERTIFICATE OF ANALYSIS

<b>Chain of Custody:</b> 655118	<b>Job Name:</b> Applications and Research Laboratory	<b>Date Submitted:</b> 02/02/2024
<b>Client:</b> Howard County Public School System	<b>Job Location:</b> 10920 Clarksville Pike, Clarksville Pike, Ellicott City, MD 21042	<b>Date Analyzed:</b> 02/08/2024
<b>Address:</b> 10910 Route 108 Ellicott City Maryland 21042	<b>Job Number:</b> 13.018	<b>Report Date:</b> 02/09/2024
<b>Attention:</b> Christopher Madden	<b>P.O. Number:</b> Not Provided	<b>Date Sampled:</b> 02/01/2024 <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
655118-1	1: ARL-1 First-Draw	02/01/2024 5:40 AM	Faucet, Cold, Yes (= Consumption), Classroom, , Sink, Bldg. A, 1st Floor	ICP	Lead	0.5 ug/L	7.5 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
655118-2	2: ARL-2 First-Draw	02/01/2024 5:41 AM	Faucet, Cold, Yes (= Consumption), Classroom, , Sink, Bldg. A, 1st Floor	ICP	Lead	0.5 ug/L	4.3 ug/L	
655118-3	3: ARL-3 First-Draw	02/01/2024 5:47 AM	Faucet, Cold, Yes (= Consumption), Teachers' Lounge/Break Room, , Sink, Bldg. B, 1st Floor	ICP	Lead	0.5 ug/L	1.2 ug/L	
655118-4	4: ARL-4 First-Draw	02/01/2024 5:44 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Fountain, Bldg. B, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
655118-5	5: ARL-5 First-Draw	02/01/2024 5:44 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Fountain, Bldg. B, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
655118-6	6: ARL-6 First-Draw	02/01/2024 5:38 AM	Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink, Bldg. B, 1st Floor	ICP	Lead	0.5 ug/L	0.95 ug/L	
655118-7	7: ARL-7 First-Draw	02/01/2024 5:40 AM	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Bldg. B, 1st Floor	ICP	Lead	0.5 ug/L	1.2 ug/L	
655118-8	8: ARL-8 First-Draw	02/01/2024 5:41 AM	Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink, Bldg. B, 1st Floor	ICP	Lead	0.5 ug/L	1.5 ug/L	
655118-9	9: ARL-10 First-Draw	02/01/2024 5:55 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Fountain, Bldg. C, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
655118-10	10: ARL-11 First-Draw	02/01/2024 5:33 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Bldg. C, 1st Floor	ICP	Lead	0.5 ug/L	7.9 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
655118-11	11: ARL-12 First-Draw	02/01/2024 5:33 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Bldg. C, 1st Floor	ICP	Lead	0.5 ug/L	5.3 ug/L	
655118-12	12: ARL-15 First-Draw	02/01/2024 6:08 AM	Faucet, Cold, Yes (= Consumption), Teachers' Lounge/Break Room, , Sink, Bldg. C, 1st Floor	ICP	Lead	0.5 ug/L	0.72 ug/L	
655118-13	13: ARL-18 First-Draw	02/01/2024 5:55 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Fountain, Bldg. D, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
655118-14	14: ARL-19 First-Draw	02/01/2024 5:36 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Fountain, Bldg. E, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
655118-15	15: ARL-20 First-Draw	02/01/2024 5:37 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Fountain, Bldg. E, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
655118-16	16: ARL-26 First-Draw	02/01/2024 5:56 AM	Faucet, Cold, Yes (= Consumption), Hallway, , Sink, Bldg. D, 1st Floor	ICP	Lead	0.5 ug/L	0.85 ug/L	
655118-17	17: ARL-11 Flush	02/01/2024 6:11 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Bldg. C, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
655118-18	18: ARL-12 Flush	2/1/2024 6:11:00 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Bldg. C, 1st Floor					VOID: Sample Not Analyzed - Associated 1st Draw <5.5ppb

Sample Collector: M. McAllister  
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



**Technical Director** \_\_\_\_\_  
George Land

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