

## CERTIFICATE OF ANALYSIS

<b>Chain of Custody:</b>	674609	<b>Job Name:</b>	Thunderhill Elementary School	<b>Date Submitted:</b>	11/12/2025
<b>Client:</b>	Howard County Public School System	<b>Job Location:</b>	9357 Mellenbrook Road, Columbia, MD 21045	<b>Date Analyzed:</b>	12/03/2025
<b>Address:</b>	10910 Clarksville Pike Ellicott City MD 21042	<b>Job Number:</b>	13.075	<b>Report Date:</b>	12/04/2025
<b>Attention:</b>	Christopher Madden	<b>P.O. Number:</b>	Not Provided	<b>Date Sampled:</b>	11/05/2025 - 11/06/2025
				<b>Person Submitting:</b>	Joel Ortiz

### 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
674609-1	: THES-1 Flush	11/06/2025 6:23 AM	Faucet, Cold, Yes (= Consumption), Kitchen, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-2	: THES-2 Flush	11/06/2025 6:25 AM	Faucet, Cold, Yes (= Consumption), Kitchen, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	5.5 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
674609-3	: THES-3 First-Draw	11/06/2025 5:24 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, See Floor Plan, Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-4	: THES-3BW First-Draw	11/05/2025 6:47 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Cafeteria, See Floor Plan, Bottle Filler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-5	: THES-4 First-Draw	11/06/2025 5:26 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	
674609-6	: THES-5F First-Draw	11/06/2025 5:28 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-7	: THES-6F First-Draw	11/06/2025 5:30 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-8	: THES-7F First-Draw	11/06/2025 5:31 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-9	: THES-8F First-Draw	11/06/2025 5:38 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-10	: THES-9F First-Draw	11/06/2025 5:39 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-11	: THES-10F First-Draw	11/06/2025 5:40 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-12	: THES-11F First-Draw	11/06/2025 5:41 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.51 ug/L	

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674609-13	: THES-12F First-Draw	11/06/2025 5:43 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-14	: THES-13 First-Draw	11/06/2025 5:43 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	
674609-15	: THES-14 First-Draw	11/06/2025 5:45 AM	Faucet, Cold, Yes (= Consumption), Classroom, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-16	: THES-15F First-Draw	11/06/2025 5:47 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-17	: THES-16F First-Draw	11/06/2025 5:48 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-18	: THES-17F First-Draw	11/06/2025 5:48 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-19	: THES-20F First-Draw	11/06/2025 5:51 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-20	: THES-21F First-Draw	11/06/2025 5:52 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-21	: THES-22F First-Draw	11/06/2025 5:54 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-22	: THES-23F First-Draw	11/06/2025 5:55 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-23	: THES-24F First-Draw	11/06/2025 5:56 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-24	: THES-25F First-Draw	11/06/2025 5:57 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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674609-25	: THES-27F First-Draw	11/06/2025 5:59 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-26	: THES-29F First-Draw	11/06/2025 6:00 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-27	: THES-30F First-Draw	11/06/2025 6:01 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-28	: THES-31F First-Draw	11/06/2025 6:02 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-29	: THES-32 First-Draw	11/06/2025 6:04 AM	Faucet, Cold, Yes (= Consumption), Classroom, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.62 ug/L	
674609-30	: THES-35F First-Draw	11/06/2025 6:11 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-31	: THES-36F First-Draw	11/06/2025 6:07 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-32	: THES-37F First-Draw	11/06/2025 6:08 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-33	: THES-38F First-Draw	11/06/2025 6:12 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-34	: THES-39 First-Draw	11/06/2025 6:15 AM	Faucet, Cold, Yes (= Consumption), Office, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-35	: THES-40F First-Draw	11/06/2025 6:16 AM	Combination Sink - Fountain - bubbler Style (Non-Refrigerated), Yes (= Consumption), Nurse's Office/Health Room, See Floor Plan, Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
674609-36	: THES-41 First-Draw	11/06/2025 6:20 AM	Faucet, Cold, Yes (= Consumption), Teachers' Lounge/Break Room, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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674609-37	: THES-42 First-Draw	11/06/2025 6:17 AM	, Yes (= Consumption), Nurse's Office/Health Room, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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

**Analyst(s):** JP Littleton

Sample Collector: Christopher Madden

Certification:

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



**Technical Director** JP Littleton

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