

# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 631771  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Hammond Middle School  
**Job Location:** 8100 Aladdin Drive, Laurel, MD,  
20723  
**Job Number:** 13.076  
**P.O. Number:** Not Provided

**Date Submitted:** 12/22/2021  
**Date Analyzed:** 12/29/2021  
**Report Date:** 12/30/2021  
**Date Sampled:** 12/15/2021  
**Person Submitting:** Jeff Klenk

## Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Sample Collection Information		Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
		Date/Time	Location					
631771-1	HMS 1 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Cafeteria, , Fountain, ,	ICP	Lead	0.5 ug/L	2.8 ug/L	
631771-2	HMS 2 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	1.5 ug/L	
631771-3	HMS 3 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	0.6 ug/L	
631771-4	HMS 4 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	1.1 ug/L	
631771-5	HMS 5 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	1 ug/L	1.0 ug/L.
631771-6	HMS 6 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	0.67 ug/L	
631771-7	HMS 10 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, ,	ICP	Lead	0.5 ug/L	4 ug/L	4.0 ug/L.
631771-8	HMS 13 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, ,	ICP	Lead	0.5 ug/L	2.8 ug/L	
631771-9	HMS 14 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, ,	ICP	Lead	0.5 ug/L	3.6 ug/L	
631771-10	HMS 15 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, ,	ICP	Lead	0.5 ug/L	4.9 ug/L	
631771-11	HMS 16 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	1.8 ug/L	
631771-12	HMS 17 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631771-13	HMS 18 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom, , Sink, ,	ICP	Lead	0.5 ug/L	0.65 ug/L	
631771-14	HMS 19 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom, , Sink, ,	ICP	Lead	0.5 ug/L	0.56 ug/L	



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631771-15	HMS 20 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Sink, ,		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631771-16	HMS 21 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom, , Sink, ,		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631771-17	HMS 22 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom, , Sink, ,		ICP	Lead	0.5 ug/L	0.64 ug/L	
631771-18	HMS 23 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,		ICP	Lead	0.5 ug/L	1.6 ug/L	
631771-19	HMS 24 First-Draw	12/15/2021 5:24 pm	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,		ICP	Lead	0.5 ug/L	2 ug/L	2.0 ug/L.
631771-20	HMS 25 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom, , Sink, ,		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631771-21	HMS 26 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Classroom, , Sink, ,		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631771-22	HMS 27 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Workroom, , Sink, ,		ICP	Lead	0.5 ug/L	0.68 ug/L	
631771-23	HMS 28 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, ,		ICP	Lead	0.5 ug/L	0.61 ug/L	
631771-24	HMS 29 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, ,		ICP	Lead	0.5 ug/L	0.52 ug/L	
631771-25	HMS 30 First-Draw	12/15/2021 5:24 pm	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, ,		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
631771-26	HMS 31 First-Draw	12/15/2021 5:24 pm	Refrigerator Water Dispenser, Consumption, Teachers' Lounge/Break Room, , Water Dispenser, ,		ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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**Analysis Methods:** Flame AA: APHA SM3111B (1999, 22nd Ed.), Furnace AA: APHA SM3113B (2010, 22nd Ed.), ICP: EPA 200.8 (Rev. 5.4)

mg/L = Parts Per Million (ppm), N/A = Not Applicable, µg/L = Parts Per Billion, N/P = Not Provided

**Analyst(s):** Jean-Paul Littleton

**Sample Collector:** Jeff Klenk  
**Certification:**

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

**Technical Director** George Land

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