



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 630294  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Clarksville Middle School  
**Job Location:** 6535 South Trotter Road, Clarksville,  
MD 21029  
**Job Number:** 13.031  
**P.O. Number:** Not Provided

**Date Submitted:** 10/28/2021  
**Date Analyzed:** 11/03/2021  
**Report Date:** 11/04/2021  
**Date Sampled:** 10/22/2021  
**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					
630294-1	1: CMS 1 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Kitchen, , Sink,	ICP	Lead	0.5 ug/L	1.1 ug/L	
630294-2	2: CMS 2 First Draw	10/22/2021 5:35 am	Ice Machine, Consumption, Kitchen, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630294-3	3: CMS 3 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Kitchen, , Sink,	ICP	Lead	0.5 ug/L	0.91 ug/L	
630294-4	4: CMS 4 First Draw	10/22/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630294-5	5: CMS 5 First Draw	10/22/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630294-6	6: CMS 6 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	0.57 ug/L	
630294-7	7: CMS 7 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	1.5 ug/L	
630294-8	8: CMS 8 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	0.94 ug/L	
630294-9	9: CMS 9 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	1.3 ug/L	
630294-10	10: CMS 10 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	13 ug/L	13.4 ug/L. This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630294-11	11: CMS 11 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	7.4 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630294-12	12: CMS 12 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	0.94 ug/L	
630294-13	13: CMS 13 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink,	ICP	Lead	0.5 ug/L	0.82 ug/L	



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630294-14	14: CMS 14 First Draw	10/22/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630294-15	15: CMS 15 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink,	ICP	Lead	0.5 ug/L	2.1 ug/L	
630294-16	16: CMS 16 First Draw	10/22/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630294-17	17: CMS 17 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink,	ICP	Lead	0.5 ug/L	3.9 ug/L	
630294-18	18: CMS 18 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink,	ICP	Lead	0.5 ug/L	1.2 ug/L	
630294-19	19: CMS 19 First Draw	10/22/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	0.55 ug/L	
630294-20	20: CMS 20 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Workroom, , Sink,	ICP	Lead	0.5 ug/L	0.57 ug/L	
630294-21	21: CMS 22 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink,	ICP	Lead	0.5 ug/L	0.99 ug/L	
630294-22	22: CMS 23 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink,	ICP	Lead	0.5 ug/L	3.9 ug/L	
630294-23	23: CMS 27 First Draw	10/22/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630294-24	24: CMS 28 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	1.5 ug/L	
630294-25	25: CMS 29 First Draw	10/22/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630294-26	26: CMS 30 First Draw	10/22/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630294-27	27: CMS 31 First Draw	10/22/2021 5:35 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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<b>Analysis Methods:</b> Flame AA: APHA SM3111B (1999, 22nd Ed.), Furnace AA: APHA SM3113B (2010, 22nd Ed.), ICP: EPA 200.8 (Rev. 5.4)				<b>Sample Collector:</b> Jeff Klenk <b>Certification:</b>					All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.
mg/L = Parts Per Million (ppm), N/A = Not Applicable, µg/L = Parts Per Billion, N/P = Not Provided <b>Analyst(s):</b> Jean-Paul Littleton									

**Technical Director** George Land

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