



CERTIFICATE OF ANALYSIS

Chain of Custody: 630457
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Clarksville Elementary School
Job Location: 12041 Clarksville Pike, Clarksville, MD
21029
Job Number: 13.037
P.O. Number: Not Provided

Date Submitted: 10/28/2021
Date Analyzed: 11/03/2021
Report Date: 11/04/2021
Date Sampled: 10/26/2021 - 10/28/2021
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					
630457-1	: CES 4F First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Bubblers Style, Consumption, Office, , Bubblers,	ICP	Lead	0.5 ug/L	0.63 ug/L	
630457-2	: CES 7 First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-3	: CES 8 First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-4	: CES 10 First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-5	: CES 14 First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-6	: CES 15F First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Bubblers Style, Consumption, Classroom, , Bubblers,	ICP	Lead	0.5 ug/L	0.53 ug/L	
630457-7	: CES 16F First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Bubblers Style, Consumption, Classroom, , Bubblers,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-8	: CES 17F First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Bubblers Style, Consumption, Classroom, , Bubblers,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-9	: CES 21 First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-10	: CES 22 First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-11	: CES 24F First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Bubblers Style, Consumption, Classroom, , Bubblers,	ICP	Lead	0.5 ug/L	2.3 ug/L	
630457-12	: CES 28 First-Draw	10/26/2021 5:25 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-13	: CES 1 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink,	ICP	Lead	0.5 ug/L	0.84 ug/L	
630457-14	: CES 2 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink,	ICP	Lead	0.5 ug/L	1.5 ug/L	



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630457-15	: CES 3 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-16	: CES 4S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Office, , Sink,	ICP	Lead	0.5 ug/L	1.4 ug/L	
630457-17	: CES 6 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Media Center, , Sink,	ICP	Lead	0.5 ug/L	6 ug/L	6.0 ug/L. This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630457-18	: CES 9 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	6 ug/L	6.0 ug/L. This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630457-19	: CES 11 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	6.1 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630457-20	: CES 12 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-21	: CES 13 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	2.9 ug/L	
630457-22	: CES 15S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	0.61 ug/L	
630457-23	: CES 16S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-24	: CES 17S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-25	: CES 18 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	0.61 ug/L	



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630457-26	: CES 20 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	0.97 ug/L	
630457-27	: CES 23S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	1.8 ug/L	
630457-28	: CES 24S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	1.8 ug/L	
630457-29	: CES 25S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-30	: CES 26S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-31	: CES 27S First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-32	: CES 29 First-Draw	10/27/2021 5:12 am	Faucet, Cold, Consumption, Classroom, , Sink,	ICP	Lead	0.5 ug/L	0.67 ug/L	
630457-33	: CES 23F First-Draw	10/28/2021 5:30 am	Drinking Water Fountain - Bubblers Style, Consumption, Classroom, ,	ICP	Lead	0.5 ug/L	2.2 ug/L	
630457-34	: CES 25F First-Draw	10/28/2021 5:30 am	Drinking Water Fountain - Bubblers Style, Consumption, Classroom, ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-35	: CES 26F First-Draw	10/28/2021 5:30 am	Drinking Water Fountain - Bubblers Style, Consumption, Classroom, ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630457-36	: CES 27F First-Draw	10/28/2021 5:30 am	Drinking Water Fountain - Bubblers Style, Consumption, Classroom, ,	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)					Sample Collector: Jeff Klenk Certification:				
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): Jean-Paul Littleton									

Technical Director George Land

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