



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 633573  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Fulton Elementary School  
**Job Location:** 11600 Scaggsville Road, Fulton, MD  
20759  
**Job Number:** 13.063  
**P.O. Number:** Not Provided

**Date Submitted:** 03/04/2022  
**Date Analyzed:** 03/14/2022  
**Report Date:** 03/14/2022  
**Date Sampled:** 02/22/2022 - ~~03/23/2022~~ **2/23/2022 JK**  
**Person Submitting:** Dana Hudson

## Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Sample Collection Information	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
633573-1	PB193-1 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, Portable Wing 193, Fountain, Portable Wing, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-2	PB193-2 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, Portable Wing 193, Fountain, Portable Wing, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-3	PB193-3 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, Portable Wing 193, Fountain, Portable Wing, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-4	PB193-4 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, Portable Wing 193, Fountain, Portable Wing, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-5	FES-1A First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Kitchen, see floor plan, Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	5.9 ug/L	5.9 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
<b>all times are a.m. JK</b>									
633573-6	FES-1B Flush	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Kitchen, see floor plan, Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-7	FES-3 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Cafeteria, see floor plan, Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-8	FES-4 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-9	FES-5 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-10	FES-7F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-11	FES-7S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	



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633573-12	FES-8F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-13	FES-8S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-14	FES-9 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.1 ug/L	
633573-15	FES-10F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-16	FES-10S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-17	FES-11F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-18	FES-11S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.2 ug/L	
633573-19	FES-12 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-20	FES-13F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-21	FES-13S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.4 ug/L	
633573-22	FES-14 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Media Center, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-23	FES-15F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-24	FES-15S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-25	FES-16F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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**Job Number:** 13.063  
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**Person Submitting:** Dana Hudson

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633573-26	FES-16S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-27	FES-17 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-28	FES-18F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-29	FES-18S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.3 ug/L	
633573-30	FES-19F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-31	FES-19S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.4 ug/L	
633573-32	FES-20F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-33	FES-20S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.8 ug/L	
633573-34	FES-21F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-35	FES-21S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-36	FES-22F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-37	FES-22S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.1 ug/L	
633573-38	FES-23 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3.2 ug/L	
633573-39	FES-24F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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633573-40	FES-24S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-41	FES-25F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.3 ug/L	
633573-42	FES-25S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-43	FES-26 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-44	FES-27 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-45	FES-28 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-46	FES-29 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-47	FES-30 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-48	FES-31 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-49	FES-32 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-50	FES-33 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-51	FES-34 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-52	FES-35 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-53	FES-36 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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633573-54	FES-37 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-55	FES-38 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-56	FES-39 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1 ug/L	1.0 ug/L
633573-57	FES-40 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-58	FES-41 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.8 ug/L	
633573-59	FES-42 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-60	FES-43 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.4 ug/L	
633573-61	FES-44F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-62	FES-44S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.3 ug/L	
633573-63	FES-45F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-64	FES-45S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-65	FES-46 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.3 ug/L	
633573-66	FES-47F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-67	FES-47S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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633573-68	FES-48F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-69	FES-48S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.7 ug/L	
633573-70	FES-49F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.3 ug/L	
633573-71	FES-49S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.6 ug/L	
633573-72	FES-50 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-73	FES-51F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1 ug/L	1.0 ug/L
633573-74	FES-51S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	4.1 ug/L	
633573-75	FES-52F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-76	FES-52S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.6 ug/L	
633573-77	FES-53F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-78	FES-53S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-79	FES-54 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.5 ug/L	
633573-80	FES-55F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.7 ug/L	
633573-81	FES-55S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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**Person Submitting:** Dana Hudson

## 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					
633573-82	FES-56F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-83	FES-56S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	2.7 ug/L	
633573-84	FES-57 First-Draw	02/22/2022 5:09 pm	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-85	FES-58F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.2 ug/L	
633573-86	FES-58S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3.2 ug/L	
633573-87	FES-59F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-88	FES-59S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3.2 ug/L	
633573-89	FES-60F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-90	FES-60S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.5 ug/L	
633573-91	FES-61F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Office, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	7.7 ug/L	7.7 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
633573-92	FES-61S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3.8 ug/L	

office JK





# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 633573  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Fulton Elementary School  
**Job Location:** 11600 Scaggsville Road, Fulton, MD  
20759  
**Job Number:** 13.063  
**P.O. Number:** Not Provided

**Date Submitted:** 03/04/2022  
**Date Analyzed:** 03/14/2022  
**Report Date:** 03/14/2022  
**Date Sampled:** 02/22/2022 - 03/23/2022  
**Person Submitting:** Dana Hudson

## 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					
633573-93	FES-62F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.4 ug/L	
633573-94	FES-62S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-95	FES-63F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-96	FES-63S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1 ug/L	1.0 ug/L.
633573-97	FES-64F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-98	FES-64S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-99	FES-65F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-100	FES-65S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-101	FES-66S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-102	FES-67F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-103	FES-67S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-104	FES-68F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-105	FES-68S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-106	FES-69F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.6 ug/L	





# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 633573  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Fulton Elementary School  
**Job Location:** 11600 Scaggsville Road, Fulton, MD  
20759  
**Job Number:** 13.063  
**P.O. Number:** Not Provided

**Date Submitted:** 03/04/2022  
**Date Analyzed:** 03/14/2022  
**Report Date:** 03/14/2022  
**Date Sampled:** 02/22/2022 - 03/23/2022  
**Person Submitting:** Dana Hudson

## Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Sample Collection Information	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
633573-107	FES-69S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	1.5 ug/L	
633573-108	FES-70F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Nurse's Office/Health Room, see floor plan, Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-109	FES-70S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Nurse's Office/Health Room, see floor plan, Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-110	FES-71 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Staff Workroom, see floor plan, Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	3.3 ug/L	
633573-111	FES-72 First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, see floor plan, Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	1.5 ug/L	
633573-112	FES-73F First-Draw	02/22/2022 5:09 pm	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, see floor plan, Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
633573-113	FES-73S First-Draw	02/23/2022 5:25 pm	Faucet, Cold, Consumption, Classroom, see floor plan, Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	2.7 ug/L	

**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):** Nida McGarvey, Suphin Chinnapad

**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**  
Jean-Paul Littleton

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