



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 634170  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Bollman Bridge Elementary School  
**Job Location:** 8200 Savage-Guilford Road, Jessup,  
MD 20794  
**Job Number:** 13.039  
**P.O. Number:** Not Provided

**Date Submitted:** 03/18/2022  
**Date Analyzed:** 03/25/2022  
**Report Date:** 03/25/2022  
**Date Sampled:** 03/09/2022 - 03/10/2022  
**Person Submitting:** Jeff Klenk  
**Revised:** 03/28/2022 (Revision #1)

## 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					
634170-1	BBES 1A First-Draw	03/10/2022 5:43 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.5 ug/L	
634170-2	BBES 1B Flush	03/10/2022 5:43 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.82 ug/L	
634170-3	BBES 2F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-4	BBES 2S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-5	BBES 3F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-6	BBES 3S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-7	BBES 6F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-8	BBES 6S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.53 ug/L	
634170-9	BBES 7F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-10	BBES 7S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-11	BBES 8F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-12	BBES 8S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-13	BBES 9 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-14	BBES 10 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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**Revised:** 03/28/2022 (Revision #1)

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634170-15	BBES 11 First-Draw	03/10/2022 5:43 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.9 ug/L	
634170-16	BBES 13S First-Draw	03/10/2022 5:43 am	Faucet, Cold, Consumption, Office, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.84 ug/L	
634170-17	BBES 14 First-Draw	03/10/2022 5:43 am	Faucet, Cold, Consumption, Media Center, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.64 ug/L	
634170-18	BBES 15F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.64 ug/L	
634170-19	BBES 15S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.54 ug/L	
634170-20	BBES 16F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.58 ug/L	
634170-21	BBES 16S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-22	BBES 17 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-23	BBES 18 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-24	BBES 19F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-25	BBES 19S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-26	BBES 48S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-27	BBES 20F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-28	BBES 20S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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634170-29	BBES 21F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-30	BBES 21S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-31	BBES 22F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-32	BBES 22S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-33	BBES 23F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-34	BBES 23S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-35	BBES 24F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-36	BBES 24S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-37	BBES 25F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-38	BBES 25S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.63 ug/L	
634170-39	BBES 26F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-40	BBES 26S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.78 ug/L	
634170-41	BBES 27F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-42	BBES 27S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.63 ug/L	



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634170-43	BBES 28F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-44	BBES 28S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.58 ug/L	
634170-45	BBES 29 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-46	BBES 29BW First-Draw	03/10/2022 5:43 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Bottle Filler, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-47	BBES 30 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-48	BBES 31F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-49	BBES 31S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.79 ug/L	
634170-50	BBES 32F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-51	BBES 32S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.58 ug/L	
634170-52	BBES 33S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	1.9 ug/L	
634170-53	BBES 34F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-54	BBES 34S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	0.51 ug/L	
634170-55	BBES 35F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-56	BBES 35S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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634170-57	BBES 36F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-58	BBES 36S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.57 ug/L	
634170-59	BBES 37F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-60	BBES 37S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.65 ug/L	
634170-61	BBES 38F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-62	BBES 38S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.79 ug/L	
634170-63	BBES 39F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.54 ug/L	
634170-64	BBES 39S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-65	BBES 40F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.54 ug/L	
634170-66	BBES 40S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.4 ug/L	
634170-67	BBES 41F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-68	BBES 41S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-69	BBES 42F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-70	BBES 42S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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634170-71	BBES 43F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-72	BBES 43S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.57 ug/L	
634170-73	BBES 44F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-74	BBES 44S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-75	BBES 45F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-76	BBES 45S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-77	BBES 46 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-78	BBES 47 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-79	BBES 49 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-80	BBES 4F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-81	BBES 4S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-82	BBES 50 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-83	BBES 51F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-84	BBES 51S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 634170  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Bollman Bridge Elementary School  
**Job Location:** 8200 Savage-Guilford Road, Jessup,  
MD 20794  
**Job Number:** 13.039  
**P.O. Number:** Not Provided

**Date Submitted:** 03/18/2022  
**Date Analyzed:** 03/25/2022  
**Report Date:** 03/25/2022  
**Date Sampled:** 03/09/2022 - 03/10/2022  
**Person Submitting:** Jeff Klenk  
**Revised:** 03/28/2022 (Revision #1)

## 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					
634170-85	BBES 52F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-86	BBES 52S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.68 ug/L	
634170-87	BBES 53F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-88	BBES 53S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-89	BBES 54F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-90	BBES 54S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-91	BBES 55F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.58 ug/L	
634170-92	BBES 55S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.66 ug/L	
634170-93	BBES 56F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.51 ug/L	
634170-94	BBES 56S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.56 ug/L	
634170-95	BBES 57F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-96	BBES 57S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-97	BBES 58F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-98	BBES 58S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 634170  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Bollman Bridge Elementary School  
**Job Location:** 8200 Savage-Guilford Road, Jessup,  
MD 20794  
**Job Number:** 13.039  
**P.O. Number:** Not Provided

**Date Submitted:** 03/18/2022  
**Date Analyzed:** 03/25/2022  
**Report Date:** 03/25/2022  
**Date Sampled:** 03/09/2022 - 03/10/2022  
**Person Submitting:** Jeff Klenk  
**Revised:** 03/28/2022 (Revision #1)

## 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					
634170-99	BBES 59 First-Draw	03/10/2022 5:43 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.71 ug/L	
634170-100	BBES 5F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-101	BBES 5S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-102	BBES 60F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-103	BBES 60S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-104	BBES 61F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-105	BBES 61S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-106	BBES 62F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-107	BBES 62S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-108	BBES 63F First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	5.3 ug/L	
634170-109	BBES 63S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.1 ug/L	
634170-110	BBES 64S First-Draw	03/10/2022 5:43 am	Combination Sink - Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
634170-111	BBES 65 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-112	BBES 65BW First-Draw	03/10/2022 5:43 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Bottle Filler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	





# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 634170  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Bollman Bridge Elementary School  
**Job Location:** 8200 Savage-Guilford Road, Jessup,  
MD 20794  
**Job Number:** 13.039  
**P.O. Number:** Not Provided

**Date Submitted:** 03/18/2022  
**Date Analyzed:** 03/25/2022  
**Report Date:** 03/25/2022  
**Date Sampled:** 03/09/2022 - 03/10/2022  
**Person Submitting:** Jeff Klenk  
**Revised:** 03/28/2022 (Revision #1)

## 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					
634170-113	BBES 66 First-Draw	03/09/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
634170-114	BBES 67 First-Draw	03/10/2022 5:43 am	Faucet, Cold, Consumption, Staff Workroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.55 ug/L	
634170-115	BBES 68 First-Draw	03/10/2022 5:43 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 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)

**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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