

CERTIFICATE OF ANALYSIS

Chain of Custody: 652090	Job Name: Bryant Woods Elementary School	Date Submitted: 10/20/2023
Client: Howard County Public School System	Job Location: 5450 Blue Heron Lane, Columbia, MD 21044	Date Analyzed: 10/30/2023
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: Not Provided	Report Date: 10/31/2023
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 10/12/2023
		Person Submitting: John Farmer

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
652090-1	1: BWES-1A First-Draw	10/12/2023 5:00:00 AM	Multiple Compartment Sink - Faucet, Cold, Yes (= Consumption), Kitchen, , Left Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.4 ug/L	SAMPLES NOT VALID. KITCHEN FICTIONS CURRENTLY ON FLUSH PROGRAM DUE TO PREVIOUS FAILURE (SEE NOTICE DATED AUGUST 20, 2021).
652090-2	2: BWES-1B First-Draw	10/12/2023 5:06:00 AM	Multiple Compartment Sink - Faucet, Cold, Yes (= Consumption), Kitchen, , Right Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	11.7 ug/L	
652090-3	3: BWES-2 First-Draw	10/12/2023 5:02:00 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-4	4: BWES-2BW First-Draw	10/13/2023 6:37:00 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Hallway, , Bottle Filler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.58 ug/L	
652090-5	5: BWES-3 First-Draw	10/12/2023 5:07:00 AM	Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.70 ug/L	
652090-6	6: BWES-4 First-Draw	10/12/2023 5:08:00 AM	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-7	7: BWES-5 First-Draw	10/12/2023 5:08:00 AM	Drinking Water Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-8	8: BWES-6F First-Draw	10/12/2023 5:16:00 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-9	9: BWES-8F First-Draw	10/12/2023 5:18:00 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.78 ug/L	
652090-10	10: BWES-9F First-Draw	10/12/2023 5:19:00 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-11	11: BWES-10F First-Draw	10/12/2023 5:20:00 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.59 ug/L	
652090-12	12: BWES-11F First-Draw	10/12/2023 5:22:00 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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652090-13	13: BWES-12F First-Draw	10/12/2023 5:23:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-14	14: BWES-13F First-Draw	10/12/2023 5:24:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-15	15: BWES-14F First-Draw	10/12/2023 5:25:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-16	16: BWES-15F First-Draw	10/12/2023 5:26:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.65 ug/L	
652090-17	17: BWES-16 First-Draw	10/12/2023 5:27:00 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.76 ug/L	
652090-18	18: BWES-17 First-Draw	10/12/2023 5:27:00 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-19	19: BWES-18 First-Draw	10/12/2023 5:28:00 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-20	20: BWES-19 First-Draw	10/12/2023 5:29:00 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-21	21: BWES-20F First-Draw	10/12/2023 5:31:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.5 ug/L	
652090-22	22: BWES-21F First-Draw	10/12/2023 5:33:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-23	23: BWES-24F First-Draw	10/12/2023 5:35:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-24	24: BWES-25F First-Draw	10/12/2023 5:36:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.79 ug/L	

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Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: Not Provided	Report Date: 10/31/2023
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 10/12/2023 Person Submitting: John Farmer

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
652090-25	25: BWES-26F First-Draw	10/12/2023 5:38:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-26	26: BWES-27 First-Draw	10/12/2023 5:45:00 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-27	27: BWES-28 First-Draw	10/12/2023 5:45:00 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-28	28: BWES-29F First-Draw	10/12/2023 5:41:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-29	29: BWES-30F First-Draw	10/12/2023 5:42:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-30	30: BWES-31F First-Draw	10/12/2023 5:42:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-31	31: BWES-32F First-Draw	10/12/2023 5:43:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-32	32: BWES-33 First-Draw	10/12/2023 5:51:00 AM	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-33	33: BWES-34F First-Draw	10/12/2023 5:48:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.4 ug/L	
652090-34	34: BWES-35 First-Draw	10/12/2023 5:52:00 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-35	35: BWES-36 First-Draw	10/12/2023 5:52:00 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
652090-36	36: BWES-36BW First-Draw	10/13/2023 6:39:00 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Hallway, , Bottle Filler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

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Client: Howard County Public School System	Job Location: 5450 Blue Heron Lane, Columbia, MD 21044	Date Analyzed: 10/30/2023
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: Not Provided	Report Date: 10/31/2023
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 10/12/2023
		Person Submitting: John Farmer

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
652090-37	37: BWES-37F First-Draw	10/12/2023 5:49:00 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	

Sample Collector: Shannon King/John Farmer (BW Samples)
Certification:

Analysis Method: ICP: EPA 200.8 (Rev. 5.4)
Preparation Method: None
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): Paul Littleton



**Technical
Director** _____
George Land

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CERTIFICATE OF ANALYSIS

Chain of Custody: 652604	Job Name: Bryant Woods Elementary School	Date Submitted: 11/07/2023
Client: Howard County Public School System	Job Location: 5450 Blue Heron Lane, Columbia, MD 21044	Date Analyzed: 11/14/2023
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.079	Report Date: 11/14/2023
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 11/02/2023 Person Submitting: John Farmer

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
652604-1	1: BWES-1A Flush	11/2/2023 5:41:00 AM	Multiple Compartment Sink - Faucet, Cold, Yes (= Consumption), Kitchen, , Left Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
652604-2	2: BWES-1B Flush	11/2/2023 5:41:00 AM	Multiple Compartment Sink - Faucet, Cold, Yes (= Consumption), Kitchen, , Right Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.0 ug/L	

Sample Collector: John Farmer
Certification:

Analysis Method: ICP: EPA 200.8 (Rev. 5.4)
Preparation Method: None
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): Paul Littleton



Technical Director _____
George Land

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