

CERTIFICATE OF ANALYSIS

Chain of Custody: 654529	Job Name: Elkridge Elementary School	Date Submitted: 01/18/2024
Client: Howard County Public School System	Job Location: 7075 Montgomery Road, Elkridge 21075	Date Analyzed: 01/25/2024
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.02	Report Date: 01/25/2024
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 01/10/2024 - 01/12/2024
		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
654529-1	1: EES-1 First-Draw	01/10/2024 5:32 AM	Ice Machine (Stand Alone), Yes (= Consumption), Kitchen, , Ice Maker, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
654529-2	2: EES-2 First-Draw	01/10/2024 5:30 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Right Hand Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.0 ug/L	
654529-3	3: EES-2 Flush	1/10/2024 6:30:00 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Right Hand Sink, Main Bldg, 1st Floor					VOID: Sample Not Analyzed - Associated 1st Draw <5.5ppb
654529-4	4: EES-3 First-Draw	01/10/2024 5:28 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Cafeteria, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
654529-5	5: EES-3BW First-Draw	01/12/2024 5:41 AM	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Cafeteria, , Bottle Fill, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.53 ug/L	
654529-6	6: EES-4 First-Draw	01/10/2024 5:35 AM	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.70 ug/L	
654529-7	7: EES-6F First-Draw	01/10/2024 5:37 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	
654529-8	8: EES-7F First-Draw	01/10/2024 5:38 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	
654529-9	9: EES-8 First-Draw	01/10/2024 5:41 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	
654529-10	10: EES-9 First-Draw	01/10/2024 6:19 AM	Faucet, Cold, Yes (= Consumption), Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.56 ug/L	
654529-11	11: EES-10 First-Draw	01/10/2024 6:17 AM	Refrigerator Water Dispenser -- Not required if non-metal water line, Yes (= Consumption), Teachers' Lounge/Break Room, , Water Dispenser, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
654529-12	12: EES-11 First-Draw	01/10/2024 5:42 AM	Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.5 ug/L	
654529-13	13: EES-12F First-Draw	01/10/2024 5:43 AM	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.70 ug/L	

CERTIFICATE OF ANALYSIS

Chain of Custody: 654529	Job Name: Elkridge Elementary School	Date Submitted: 01/18/2024
Client: Howard County Public School System	Job Location: 7075 Montgomery Road, Elkridge 21075	Date Analyzed: 01/25/2024
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.02	Report Date: 01/25/2024
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 01/10/2024 - 01/12/2024
		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
654529-14	14: EES-13F First-Draw	01/10/2024 5:43 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.73 ug/L	
654529-15	15: EES-15F First-Draw	01/10/2024 5:44 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.63 ug/L	
654529-16	16: EES-16F First-Draw	01/10/2024 5:44 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	
654529-17	17: EES-17F First-Draw	01/10/2024 5:46 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.88 ug/L	
654529-18	18: EES-18F First-Draw	01/10/2024 5:47 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.75 ug/L	
654529-19	19: EES-20F First-Draw	01/10/2024 5:48 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.68 ug/L	
654529-20	20: EES-22F First-Draw	01/10/2024 5:53 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.3 ug/L	
654529-21	21: EES-23F First-Draw	01/10/2024 5:54 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.9 ug/L	
654529-22	22: EES-27F First-Draw	01/10/2024 6:05 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.52 ug/L	
654529-23	23: EES-28F First-Draw	01/10/2024 6:07 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.82 ug/L	
654529-24	24: EES-29F First-Draw	01/10/2024 6:08 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	7.0 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
654529-25	25: EES-30F First-Draw	01/10/2024 6:09 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.91 ug/L	

CERTIFICATE OF ANALYSIS

Chain of Custody: 654529	Job Name: Elkridge Elementary School	Date Submitted: 01/18/2024
Client: Howard County Public School System	Job Location: 7075 Montgomery Road, Elkridge 21075	Date Analyzed: 01/25/2024
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.02	Report Date: 01/25/2024
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 01/10/2024 - 01/12/2024
		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
654529-26	26: EES-31F First-Draw	01/10/2024 6:10 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.6 ug/L	
654529-27	27: EES-32 First-Draw	01/10/2024 5:56 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	
654529-28	28: EES-33 First-Draw	01/10/2024 5:56 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.75 ug/L	
654529-29	29: EES-34F First-Draw	01/10/2024 5:57 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.55 ug/L	
654529-30	30: EES-35F First-Draw	01/10/2024 5:57 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	
654529-31	31: EES-36F First-Draw	01/10/2024 5:58 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.72 ug/L	
654529-32	32: EES-37F First-Draw	01/10/2024 5:59 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	
654529-33	33: EES-39F First-Draw	01/10/2024 5:29 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.66 ug/L	
654529-34	34: EES-40F First-Draw	01/10/2024 5:31 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.64 ug/L	
654529-35	35: EES-41F First-Draw	01/10/2024 5:34 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.56 ug/L	
654529-36	36: EES-42F First-Draw	01/10/2024 5:35 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.56 ug/L	
654529-37	37: EES-43 First-Draw	01/10/2024 5:37 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.83 ug/L	

CERTIFICATE OF ANALYSIS

Chain of Custody: 654529	Job Name: Elkridge Elementary School	Date Submitted: 01/18/2024
Client: Howard County Public School System	Job Location: 7075 Montgomery Road, Elkridge 21075	Date Analyzed: 01/25/2024
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.02	Report Date: 01/25/2024
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 01/10/2024 - 01/12/2024
		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
654529-38	38: EES-44 First-Draw	01/10/2024 5:38 AM	Drinking Water Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Hallway, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.85 ug/L	
654529-39	39: EES-46F First-Draw	01/10/2024 5:40 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.97 ug/L	
654529-40	40: EES-47F First-Draw	01/10/2024 5:41 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.74 ug/L	
654529-41	41: EES-48F First-Draw	01/10/2024 5:43 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.3 ug/L	
654529-42	42: EES-49F First-Draw	01/10/2024 5:44 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.0 ug/L	
654529-43	43: EES-50F First-Draw	01/10/2024 5:45 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.76 ug/L	
654529-44	44: EES-52F First-Draw	01/10/2024 5:48 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.6 ug/L	
654529-45	45: EES-53F First-Draw	01/10/2024 5:49 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.6 ug/L	
654529-46	46: EES-54F First-Draw	01/10/2024 5:50 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.61 ug/L	
654529-47	47: EES-55F First-Draw	01/10/2024 5:52 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.80 ug/L	
654529-48	48: EES-56F First-Draw	01/10/2024 5:55 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.2 ug/L	
654529-49	49: EES-57F First-Draw	01/10/2024 5:57 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.0 ug/L	

CERTIFICATE OF ANALYSIS

Chain of Custody: 654529	Job Name: Elkridge Elementary School	Date Submitted: 01/18/2024
Client: Howard County Public School System	Job Location: 7075 Montgomery Road, Elkridge 21075	Date Analyzed: 01/25/2024
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.02	Report Date: 01/25/2024
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 01/10/2024 - 01/12/2024
		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
654529-50	50: EES-58F First-Draw	01/10/2024 6:05 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.0 ug/L	
654529-51	51: EES-59F First-Draw	01/10/2024 6:06 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.58 ug/L	
654529-52	52: EES-60F First-Draw	01/10/2024 6:07 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	13.6 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
654529-53	53: EES-61F First-Draw	01/10/2024 6:08 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.70 ug/L	
654529-54	54: EES-62F First-Draw	01/10/2024 6:09 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	
654529-55	55: EES-63F First-Draw	01/10/2024 6:17 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	
654529-56	56: EES-64F First-Draw	01/10/2024 6:18 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	
654529-57	57: EES-65F First-Draw	01/10/2024 6:20 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.74 ug/L	
654529-58	58: EES-66F First-Draw	01/10/2024 6:21 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, , Bubbler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.81 ug/L	
654529-59	59: EES-67 First-Draw	01/10/2024 5:35 AM	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.95 ug/L	

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

Sample Collector: M. McAllister & Chris Madden
Certification:

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Paul Littleton

CERTIFICATE OF ANALYSIS

Chain of Custody: 654529	Job Name: Elkridge Elementary School	Date Submitted: 01/18/2024
Client: Howard County Public School System	Job Location: 7075 Montgomery Road, Elkridge 21075	Date Analyzed: 01/25/2024
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.02	Report Date: 01/25/2024
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 01/10/2024 - 01/12/2024
		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
<div style="text-align: right; margin-right: 50px;">  Technical Director _____ George Land </div>								

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. The results apply only to the sample(s) tested as received. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, AIHA-LAP, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.