

## CERTIFICATE OF ANALYSIS

|   |   |   |
|---|---|---|
| <b>Chain of Custody:</b> 662091                                 | <b>Job Name:</b> Dunloggin Middle School                              | <b>Date Submitted:</b> 09/27/2024             |
| <b>Client:</b> Howard County Public School System               | <b>Job Location:</b> 9129 Northfield Road,<br>Ellicott City, MD 21042 | <b>Date Analyzed:</b> 10/02/2024              |
| <b>Address:</b> 10910 Route 108 Ellicott City<br>Maryland 21042 | <b>Job Number:</b> 13.001   | <b>Report Date:</b> 10/03/2024                |
| <b>Attention:</b> Christopher Madden                            | <b>P.O. Number:</b> 115.24.B7   | <b>Date Sampled:</b> 09/20/2024 - 09/24/2024  |
|   |   | <b>Person Submitting:</b> John D. Farmer, III |

### 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  |
|-------------------|----------------------|--------------------|---|---------------|----------------|-----------------|--------------|---|
| 662091-1          | : DMS-1 Flush        | 09/20/2024 5:50 AM | Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor  | ICP           | Lead           | 0.5 ug/L        | 1.0 ug/L     |   |
| 662091-2          | : DMS-2 Flush        | 09/20/2024 5:50 AM | Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor  | ICP           | Lead           | 0.5 ug/L        | 1.4 ug/L     |   |
| 662091-3          | : DMS-4 First-Draw   | 09/20/2024 5:46 AM | Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, , Combo Fountain, Main Bldg, 1st Floor | ICP           | Lead           | 0.5 ug/L        | 0.65 ug/L    |   |
| 662091-4          | : DMS-4BW First-Draw | 09/24/2024 5:20 AM | Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Cafeteria, , Combo Bottle Filler, Main Bldg, 1st Floor                             | ICP           | Lead           | 0.5 ug/L        | 1.1 ug/L     |   |
| 662091-5          | : DMS-5 First-Draw   | 09/20/2024 5:37 AM | Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor                                       | ICP           | Lead           | 0.5 ug/L        | <0.5 ug/L    |   |
| 662091-6          | : DMS-6 First-Draw   | 09/20/2024 5:39 AM | Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 2.2 ug/L     |   |
| 662091-7          | : DMS-7 First-Draw   | 09/20/2024 5:40 AM | Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 0.72 ug/L    |   |
| 662091-8          | : DMS-8 First-Draw   | 09/20/2024 5:34 AM | Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor                                       | ICP           | Lead           | 0.5 ug/L        | 0.66 ug/L    |   |
| 662091-9          | : DMS-10 First-Draw  | 09/20/2024 5:27 AM | Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink, Main Bldg, 1st Floor   | ICP           | Lead           | 0.5 ug/L        | 10.2 ug/L    | This result meets or exceeds the 5.5ppb action level as established by MDE for schools. |
| 662091-10         | : DMS-11 First-Draw  | 09/20/2024 5:29 AM | Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor                                       | ICP           | Lead           | 0.5 ug/L        | <0.5 ug/L    |   |
| 662091-11         | : DMS-12 First-Draw  | 09/20/2024 5:30 AM | Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor                                       | ICP           | Lead           | 0.5 ug/L        | <0.5 ug/L    |   |
| 662091-12         | : DMS-13 First-Draw  | 09/20/2024 5:31 AM | Refrigerator Water Dispenser -- Not required if non-metal water line, Yes (= Consumption), Teachers' Lounge/Break Room, , Fridge Dispenser, Main Bldg, 1st Floor    | ICP           | Lead           | 0.5 ug/L        | <0.5 ug/L    |   |
| 662091-13         | : DMS-14 First-Draw  | 09/20/2024 5:32 AM | Faucet, Cold, Yes (= Consumption), Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor  | ICP           | Lead           | 0.5 ug/L        | <0.5 ug/L    |   |

## CERTIFICATE OF ANALYSIS

|   |   |   |
|---|---|---|
| <b>Chain of Custody:</b> 662091                                 | <b>Job Name:</b> Dunloggin Middle School                              | <b>Date Submitted:</b> 09/27/2024             |
| <b>Client:</b> Howard County Public School System               | <b>Job Location:</b> 9129 Northfield Road,<br>Ellicott City, MD 21042 | <b>Date Analyzed:</b> 10/02/2024              |
| <b>Address:</b> 10910 Route 108 Ellicott City<br>Maryland 21042 | <b>Job Number:</b> 13.001   | <b>Report Date:</b> 10/03/2024                |
| <b>Attention:</b> Christopher Madden                            | <b>P.O. Number:</b> 115.24.B7   | <b>Date Sampled:</b> 09/20/2024 - 09/24/2024  |
|   |   | <b>Person Submitting:</b> John D. Farmer, III |

### 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  |
|-------------------|----------------------|--------------------|---|---------------|----------------|-----------------|--------------|---|
| 662091-14         | : DMS-16 First-Draw  | 09/20/2024 5:26 AM | Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor | ICP           | Lead           | 0.5 ug/L        | 0.51 ug/L    |   |
| 662091-15         | : DMS-17 First-Draw  | 09/20/2024 5:04 AM | Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor | ICP           | Lead           | 0.5 ug/L        | <0.5 ug/L    |   |
| 662091-16         | : DMS-18 First-Draw  | 09/20/2024 5:09 AM | Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 1.6 ug/L     |   |
| 662091-17         | : DMS-19 First-Draw  | 09/20/2024 5:12 AM | Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 1.8 ug/L     |   |
| 662091-18         | : DMS-20 First-Draw  | 09/20/2024 5:13 AM | Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 3.1 ug/L     |   |
| 662091-19         | : DMS-21 First-Draw  | 09/20/2024 5:14 AM | Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 1.0 ug/L     |   |
| 662091-20         | : DMS-22 First-Draw  | 09/20/2024 5:15 AM | Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 1.2 ug/L     |   |
| 662091-21         | : DMS-23 First-Draw  | 09/20/2024 5:16 AM | Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 5.6 ug/L     | This result meets or exceeds the 5.5ppb action level as established by MDE for schools. |
| 662091-22         | : DMS-24 First-Draw  | 09/20/2024 5:17 AM | Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 1.2 ug/L     |   |
| 662091-23         | : DMS-27 First-Draw  | 09/20/2024 5:19 AM | Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor                                   | ICP           | Lead           | 0.5 ug/L        | 1.0 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: John D. Farmer, III  
Certification:

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