



**Ann Arbor Public Schools  
Legionella Sampling Analysis  
Project Number: AE200779**

| <b>Logan Elementary School</b>    |                                    |                |             |                |         |      |                                   |   |                          |  |
|-----------------------------------|------------------------------------|----------------|-------------|----------------|---------|------|-----------------------------------|---|--------------------------|--|
| <b>Date of Sampling: 11-04-20</b> |                                    |                |             |                |         |      |                                   |   |                          |  |
| <b>Sampler: Brendan Koziol</b>    |                                    |                |             |                |         |      |                                   |   |                          |  |
| Sample #                          | Location                           | Time Collected | Bottle Type | Chlorine (ppm) | Temp °C | pH   | Legionella Pneumophila Lab Result | Other Legionella Species <sup>3</sup> Lab Results | Total Legionella raw ct. | Total Legionella (cfu (colony forming units)/ml) |
| Logan-03                          | Gym, Kitchen Two Compartment Sink  | 12:55 PM       | Bioswab     | 0.00           | 40.0    | 9.14 | ND                                | ND  | ND                       | <20  |
| Logan-03                          | Gym, Kitchen Two Compartment Sink  | 12:58 PM       | 1 Liter     | 0.00           | 40.0    | 9.14 | ND                                | ND  | ND                       | <0.1   |
| Logan-19                          | Room 330, Combination Sink, Faucet | 12:40 PM       | Bioswab     | 0.00           | 37.9    | 9.15 | ND                                | ND  | ND                       | <20  |
| Logan-19                          | Room 330, Combination Sink, Faucet | 12:42 PM       | 1 Liter     | 0.00           | 37.9    | 9.15 | ND                                | ND  | ND                       | <0.1   |
| Logan-37                          | Room 236, Combination Sink, Faucet | 1:12 PM        | Bioswab     | 0.00           | 39.5    | 9.14 | ND                                | ND  | Nd                       | <20  |
| Logan-37                          | Room 236, Combination Sink, Faucet | 1:15 PM        | 1 Liter     | 0.00           | 39.5    | 9.14 | ND                                | ND  | Nd                       | <0.1   |

- 1) <0.1 is the detection limit for Legionella in bulk water samples
- 2) <20 is the detection limit for Legionella in bioswab samples
- 3) See attached analytical results for full list of other Legionella species



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| Logan Elementary School    |                                 |                |             |                |         |      |                                   |   |                          |  |
|----------------------------|---------------------------------|----------------|-------------|----------------|---------|------|-----------------------------------|---|--------------------------|--|
| Date of Sampling: 11-12-20 |                                 |                |             |                |         |      |                                   |   |                          |  |
| Sampler: Brendan Koziol    |                                 |                |             |                |         |      |                                   |   |                          |  |
| Sample #                   | Location                        | Time Collected | Bottle Type | Chlorine (ppm) | Temp °C | pH   | Legionella Pneumophila Lab Result | Other Legionella Species <sup>3</sup> Lab Results | Total Legionella raw ct. | Total Legionella (cfu (colony forming units)/ml) |
| Logan-HWH                  | Hot Water Heater in Boiler Room | 12:18 PM       | 1 Liter     | 0.38           | 37.9    | 9.27 | ND                                | ND  | ND                       | <0.1   |

1) <0.1 is the detection limit for Legionella in bulk water samples  
2) <20 is the detection limit for Legionella in bioswab samples  
3) See attached analytical results for full list of other Legionella species

Logan Elementary School Sampling Results Table

| Logan Elementary School  |                         |          |        |                  |
|--|-------------------------|----------|--------|------------------|
| Location   | Parameter               | Result   | MCL/AL | Method Reference |
| Logan-19: Room 330, Combination Sink, Faucet                               | <i>E. coli</i>          | Negative | Zero   | ATP D05-0035     |
|  | Total Coliforms         | Negative | Zero   | ATP D05-0035     |
| Logan-27: Room 212, Combination Sink, Faucet                               | <i>E. coli</i>          | Negative | Zero   | ATP D05-0035     |
|  | Total Coliforms         | Negative | Zero   | ATP D05-0035     |
|  | Total Residual Chlorine | 0.01 PPM | N/A    | N/A              |
| Logan-37: Room 236, Combination Sink, Faucet                               | <i>E. coli</i>          | Negative | Zero   | ATP D05-0035     |
|  | Total Coliforms         | Negative | Zero   | ATP D05-0035     |
| Logan-44: Room 243, Combination Sink, Faucet                               | <i>E. coli</i>          | Negative | Zero   | ATP D05-0035     |
|  | Total Coliforms         | Negative | Zero   | ATP D05-0035     |
| Logan-49: Kitchen, Three-Compartment Sink, Single Add On Faucet, Far Right | <i>E. coli</i>          | Negative | Zero   | ATP D05-0035     |
|  | Total Coliforms         | Negative | Zero   | ATP D05-0035     |