

## MassDEP LCCA Extended Assistance Program Water Sample Analysis Results

**Location:** Lowell  
**Name of Facility:** Immaculate Conception  
**Facility Type:** SCH  
**Org Code:** 01600835  
**Sample Date:** 11/18/2022  
**Sampler Name:** Bob Hoyt  
**Laboratory:** RI Analytical  
**Analytical Method:** EPA 200.8  
**Method Detection Limit (MDL):** 0.001  
**Units of Measurement:** mg/L  
 (0.001 mg/L = 1 part per billion or ppb)

| Location Type Code | Location Type               |
|--------------------|-----------------------------|
| BF                 | Bathroom Faucet             |
| CF                 | Classroom Faucet            |
| DW                 | Drinking Water Bubblers     |
| EC                 | Home Economics Room, Cold   |
| KC                 | Kitchen Faucet, Cold        |
| KI                 | Kitchen Ice Maker           |
| KK                 | Kitchen Kettle              |
| NS                 | Nurse's Office Sink         |
| OT                 | Other Location              |
| SC                 | Service Connector           |
| WC                 | Water Cooler (chiller unit) |

**NOTES:**

'First Draw' means a 250 mL volume sample collected after an 8-18 hour stagnation period and prior to any other use of the fixture.

'Flush' means a 250 mL volume sample collected from the flowing tap 30 seconds after the First Draw sample is collected.

'MDL' is the minimum detection level that is reportable by the laboratory.

'ND' (Non Detect) means a concentration less than the MDL.

'Not Sampled' implies flush sample not collected because of common feed plumbing with adjacent fixture.

Results in **red font** are concentrations greater than or equal to 15.5 ppb (0.015 mg/L).

Results in **orange font** are concentrations between 1.5 and 15.4 ppb (0.0015 and 0.0154 mg/L).

Results in **blue font** are concentrations below 1.5 ppb (0.0015mg/L)

|   |           |
|---|-----------|
| Number of <b>FIRST DRAW</b> Samples with Lead Concentration $\geq 1.5$ ppb (0.0015 mg/L): | <b>11</b> |
| Number of <b>FLUSH</b> Samples with Lead Concentration $\geq 1.5$ ppb (0.0015 mg/L):      | <b>1</b>  |

| Sample Location ID | Location Type | Location Description           | Lead First Draw (P)      | Lead Flush (F)           |
|--------------------|---------------|--------------------------------|--------------------------|--------------------------|
| 001                | BF            | 2ND FL BOYS BATHROOM LEFT SINK | 3.5 ppb<br>(0.0035 mg/L) | ND                       |
| 002                | BF            | 2ND FL BOYS BATHROOM RT SINK   | ND                       | Not Sampled              |
| 003                | BF            | 2ND FL TEACHERS LOUNGE BR SINK | 15 ppb<br>(0.015 mg/L)   | 1.2 ppb<br>(0.0012 mg/L) |
| 004                | DW            | 2ND FL BUBB. TEACHERS LOUNGE-L | 45 ppb<br>(0.045 mg/L)   | ND                       |
| 006                | DW            | 2ND FL HALL BUBBLER LEFT SIDE  | 1000 ppb<br>(1.0 mg/L)   | 230 ppb<br>(0.23 mg/L)   |
| 008                | BF            | 2ND F GIRLS BATHROOM LEFT SINK | 6.2 ppb<br>(0.0062 mg/L) | 1.1 ppb<br>(0.0011 mg/L) |
| 009                | BF            | 2ND F GIRLS BATHROOM RT SINK   | ND                       | Not Sampled              |
| 010                | BF            | 1ST F BOYS BATHROOM LEFT SINK  | 5.2 ppb<br>(0.0052 mg/L) | ND                       |
| 011                | BF            | 1ST F BOYS BATHROOM RT SINK    | 4 ppb<br>(0.0040 mg/L)   | Not Sampled              |
| 012                | NS            | 1ST F. NURSE OFFICE SINK       | 5.1 ppb<br>(0.0051 mg/L) | ND                       |
| 013                | NS            | 1ST F. NURSE OFFICE BATHROOM   | 1.4 ppb<br>(0.0014 mg/L) | 1.2 ppb<br>(0.0012 mg/L) |
| 014                | DW            | 1ST F. BOTTLE FILL BOYS BATHRM | ND                       | ND                       |
| 015                | BF            | 1ST F GIRLS BATHROOM LEFT SINK | 2.3 ppb<br>(0.0023 mg/L) | 1.2 ppb<br>(0.0012 mg/L) |
| 016                | BF            | 1ST F GIRLS BATHROOM RT SINK   | ND                       | Not Sampled              |
| 017                | BF            | BOYS BATHROOM LEFT SK BASEMENT | 1.3 ppb<br>(0.0013 mg/L) | ND                       |
| 018                | BF            | GIRLS BATHRM LEFT SK BASEMENT  | 2.3 ppb<br>(0.0023 mg/L) | ND                       |
| 019                | BF            | GIRLS BATHRM RIGHT SK BASEMENT | 3.5 ppb<br>(0.0035 mg/L) | Not Sampled              |
| 020                | DW            | BASEMENT BOTTLE FILL STATION   | ND                       | ND                       |
| 021                | KC            | BASEMENT KITCHEN SINK          | ND                       | ND                       |