



## Analytical Summary Report

Analysis Method: HACH 8146

ANALYST: Iwona

Parameter: Ferrous Iron

SUPERVISOR REVIEW BY: jignesh

Run Number: LB122640

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| Ferrous Iron cal std, 1.0ppm        | WP99641   |
| Ferrous Iron cal std, 0.4ppm        | WP99639   |
| Ferrous Iron cal std, 0.2ppm        | WP99638   |
| Ferrous Iron cal std, 0.1ppm        | WP99637   |
| Ferrous Iron cal std, 0ppm          | WP99636   |
| Ferrous Iron LOD, 0.025ppm          | WP99643   |
| Ferrous Iron LOQ- 0.1PPM            | WP99644   |
| Ferrous Iron ICV-LCS Std, 0.5ppm    | WP99642   |
| Ferrous Iron Cal-CCV Std, 0.5ppm    | WP99640   |
| Ferrous Iron Reagent Powder Pillows | W2911     |

Intercept: 0.0020

Slope: 0.4072

Regression: 0.998595

| Seq | Lab ID | True Val<br>(mg/l) | Dilution | Initial<br>Reading | Final<br>Reading | Difference | Result<br>(mg/L) | % D | AnalDate   | Anal Time |
|-----|--------|--------------------|----------|--------------------|------------------|------------|------------------|-----|------------|-----------|
| 1   | CAL1   | 0                  | 1        | 0.000              | 0.000            | 0.000      | -0.01            |     | 10/27/2022 | 10:40     |
| 2   | CAL2   | 0.1                | 1        | 0.000              | 0.040            | 0.040      | 0.09             | 7   | 10/27/2022 | 10:40     |
| 3   | CAL3   | 0.2                | 1        | 0.000              | 0.086            | 0.086      | 0.21             | -3  | 10/27/2022 | 10:41     |
| 4   | CAL4   | 0.4                | 1        | 0.000              | 0.157            | 0.157      | 0.38             | 4.8 | 10/27/2022 | 10:41     |
| 5   | CAL5   | 0.5                | 1        | 0.000              | 0.220            | 0.220      | 0.54             | -7  | 10/27/2022 | 10:42     |
| 6   | CAL6   | 1                  | 1        | 0.000              | 0.405            | 0.405      | 0.99             | 1   | 10/27/2022 | 10:42     |



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| Seq | Lab ID     | Initial Weight | Final Vol | True Value (mg/L) | DF | Initial Reading | Final Reading | Diff. | Result (mg/L) | Anal Date  | Anal Time |
|-----|------------|----------------|-----------|-------------------|----|-----------------|---------------|-------|---------------|------------|-----------|
| 1   | ICV        |                |           | 0.5               | 1  | 0.000           | 0.207         | 0.207 | 0.503         | 10/27/2022 | 10:43     |
| 2   | ICB        |                |           |                   | 1  | 0.000           | 0.001         | 0.001 | 0.002         | 10/27/2022 | 10:43     |
| 3   | CCV1       |                |           | 0.5               | 1  | 0.000           | 0.213         | 0.213 | 0.518         | 10/27/2022 | 10:44     |
| 4   | CCB1       |                |           |                   | 1  | 0.000           | 0.001         | 0.001 | 0.002         | 10/27/2022 | 10:44     |
| 5   | LB122640BL | 50             | 50        |                   | 1  | 0.000           | 0.002         | 0.002 | 0.000         | 10/27/2022 | 10:45     |
| 6   | LB122640BS | 50             | 50        | 0.5               | 1  | 0.000           | 0.203         | 0.203 | 0.494         | 10/27/2022 | 10:45     |
| 7   | N4955-07   | 50             | 50        |                   | 1  | 0.000           | 0.016         | 0.016 | 0.034         | 10/27/2022 | 10:46     |
| 8   | N4955-08   | 50             | 50        |                   | 1  | 0.000           | 0.044         | 0.044 | 0.103         | 10/27/2022 | 10:46     |
| 9   | CCV2       |                |           | 0.5               | 1  | 0.000           | 0.209         | 0.209 | 0.508         | 10/27/2022 | 10:47     |
| 10  | CCB2       |                |           |                   | 1  | 0.000           | 0.001         | 0.001 | 0.002         | 10/27/2022 | 10:47     |