



## Analytical Summary Report

Analysis Method: HACH 8146

ANALYST: Alexander

Parameter: Ferrous Iron

SUPERVISOR REVIEW BY: apatel

Run Number: LB113614

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| ferrous iron stock standard (100 ppm) | WP90100   |
| Ferrous Iron stock std-ss, 100ppm     | WP90101   |
| Ferrous Iron cal std, 1.0ppm          | WP90107   |
| Ferrous Iron cal std, 0.4ppm          | WP90105   |
| Ferrous Iron cal std, 0.2ppm          | WP90104   |
| Ferrous Iron cal std, 0.1ppm          | WP90103   |
| Ferrous Iron cal std, 0ppm            | WP90102   |
| Ferrous Iron LOD, 0.025ppm            | WP90109   |
| Ferrous Iron ICV-LCS Std, 0.5ppm      | WP90108   |
| Ferrous Iron Cal-CCV Std, 0.5ppm      | WP90106   |
| Ferrous Iron Reagent Powder Pillows   | W2250     |

Intercept: 0.0009

Slope: 0.4143

Regression: 0.999548

| 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              | 0.002            | 0.002      | 0.00             |      | 03/22/2021 | 09:30     |
| 2   | CAL2   | 0.1                | 1        | 0.000              | 0.043            | 0.043      | 0.10             | -2   | 03/22/2021 | 09:33     |
| 3   | CAL3   | 0.2                | 1        | 0.000              | 0.089            | 0.089      | 0.21             | -6.5 | 03/22/2021 | 09:35     |
| 4   | CAL4   | 0.4                | 1        | 0.000              | 0.162            | 0.162      | 0.39             | 2.8  | 03/22/2021 | 09:38     |
| 5   | CAL5   | 0.5                | 1        | 0.000              | 0.202            | 0.202      | 0.49             | 3    | 03/22/2021 | 09:41     |
| 6   | CAL6   | 1                  | 1        | 0.000              | 0.419            | 0.419      | 1.01             | -0.9 | 03/22/2021 | 09:43     |



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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           | 0.201         | 0.201 | 0.484         | 03/22/2021 | 09:47     |
| 2   | ICB        |                |           |                   | 1  | 0.000           | 0.003         | 0.003 | 0.005         | 03/22/2021 | 09:50     |
| 3   | CCV1       |                |           | 0.5               | 1  | 0.000           | 0.195         | 0.195 | 0.469         | 03/22/2021 | 09:54     |
| 4   | CCB1       |                |           |                   | 1  | 0.000           | 0.003         | 0.003 | 0.005         | 03/22/2021 | 09:57     |
| 5   | LB113614BL | 50             | 50        |                   | 1  | 0.000           | 0.004         | 0.004 | 0.007         | 03/22/2021 | 10:00     |
| 6   | LB113614BS | 50             | 50        | 0.5               | 1  | 0.000           | 0.204         | 0.204 | 0.491         | 03/22/2021 | 10:03     |
| 7   | M1458-09   | 50             | 50        |                   | 1  | 0.000           | 0.011         | 0.011 | 0.024         | 03/22/2021 | 10:06     |
| 8   | CCV2       |                |           | 0.5               | 1  | 0.000           | 0.198         | 0.198 | 0.476         | 03/22/2021 | 10:10     |
| 9   | CCB2       |                |           |                   | 1  | 0.000           | 0.003         | 0.003 | 0.005         | 03/22/2021 | 10:14     |