

# Analytical Summary Report

Analysis Method: SM 4500-SO4E

ANALYST: Iwona

Parameter: Sulfate

SUPERVISOR REVIEW BY: mohammad

Run Number: LB120688

| Reagent/Standard               | Lot/Log # |
|--------------------------------|-----------|
| sulfate CCV 20ppm              | WP97370   |
| sulfate ICV 20ppm              | WP97371   |
| Sulfate LCS std, 20ppm         | WP97374   |
| Sulfate Calibration std, 15ppm | WP97364   |
| Sulfate Calibration std, 25ppm | WP97366   |
| Sulfate Calibration std, 0ppm  | WP97361   |
| Sulfate Calibration std, 10ppm | WP97363   |
| Sulfate Calibration std, 20ppm | WP97365   |
| Sulfate Calibration std, 30ppm | WP97367   |
| Sulfate Calibration std, 40ppm | WP97369   |
| Sulfate Calibration std, 5ppm  | WP97362   |
| Sulfate Calibration std, 35ppm | WP97368   |
| Sulfate Buffer solution A      | WP95623   |
| Sulfate LOD std 2.5PPM         | WP97372   |
| Sulfate LOQ Std- 5ppm          | WP97373   |

Intercept: -0.9381

Slope: 2.9841

Regression: 0.999571

| Seq | Lab ID | True Val (mg/l) | DF | Matrix | Initial Reading | Final Reading | Difference | Result (mg/l) | %D   | AnalDate   | Anal Time |
|-----|--------|-----------------|----|--------|-----------------|---------------|------------|---------------|------|------------|-----------|
| 1   | CAL1   | 0               | 1  | Water  | 0.208           | 0.252         | 0.044      | 0.329         |      | 06/15/2022 | 10:45     |
| 2   | CAL2   | 5               | 1  | Water  | 0.209           | 13.300        | 13.091     | 4.701         | 6    | 06/15/2022 | 10:49     |
| 3   | CAL3   | 10              | 1  | Water  | 0.211           | 29.200        | 28.989     | 10.029        | -0.3 | 06/15/2022 | 10:53     |
| 4   | CAL4   | 15              | 1  | Water  | 0.214           | 42.200        | 41.986     | 14.384        | 4.1  | 06/15/2022 | 10:57     |
| 5   | CAL5   | 20              | 1  | Water  | 0.218           | 59.700        | 59.482     | 20.247        | -1.2 | 06/15/2022 | 10:01     |
| 6   | CAL6   | 25              | 1  | Water  | 0.220           | 75.100        | 74.880     | 25.407        | -1.6 | 06/15/2022 | 10:05     |
| 7   | CAL7   | 30              | 1  | Water  | 0.223           | 89.900        | 89.677     | 30.366        | -1.2 | 06/15/2022 | 10:09     |
| 8   | CAL8   | 35              | 1  | Water  | 0.225           | 102.000       | 101.775    | 34.42         | 1.7  | 06/15/2022 | 10:13     |
| 9   | CAL9   | 40              | 1  | Water  | 0.229           | 119.000       | 118.771    | 40.116        | -0.3 | 06/15/2022 | 10:17     |

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| Seq | Lab ID     | Initial Weight | Final Vol | True Value (mg/L) | DF | MATRIX | Initial Reading | Final Reading | Difference | Result (mg/L) | AnalDate   | Anal Time |
|-----|------------|----------------|-----------|-------------------|----|--------|-----------------|---------------|------------|---------------|------------|-----------|
| 1   | ICV        |                |           | 20                | 1  | Water  | 0.215           | 59.100        | 58.885     | 20.047        | 06/15/2022 | 10:21     |
| 2   | ICB        |                |           |                   | 1  | Water  | 0.213           | 0.258         | 0.045      | 0.329         | 06/15/2022 | 10:25     |
| 3   | CCV1       |                |           | 20                | 1  | Water  | 0.218           | 59.500        | 59.282     | 20.180        | 06/15/2022 | 10:29     |
| 4   | CCB1       |                |           |                   | 1  | Water  | 0.206           | 0.272         | 0.066      | 0.336         | 06/15/2022 | 10:33     |
| 5   | LB120688BL | 50             | 50        |                   | 1  | Water  | 0.212           | 0.254         | 0.042      | 0.328         | 06/15/2022 | 10:37     |
| 6   | LB120688BS | 50             | 50        | 20                | 1  | Water  | 0.216           | 60.700        | 60.484     | 20.583        | 06/15/2022 | 10:41     |
| 7   | N3214-12   | 50             | 50        |                   | 1  | Water  | 0.218           | 6.560         | 6.342      | 2.440         | 06/15/2022 | 10:45     |
| 8   | CCV2       |                |           | 20                | 1  | Water  | 0.211           | 60.300        | 60.089     | 20.451        | 06/15/2022 | 10:49     |
| 9   | CCB2       |                |           |                   | 1  | Water  | 0.209           | 0.251         | 0.042      | 0.328         | 06/15/2022 | 10:53     |