

**Analytical Summary Report**

Analysis Method: SM 4500-SO4E

ANALYST: Iwona

Parameter: Sulfate

SUPERVISOR REVIEW BY: Sohil

Run Number: LB124803

| Reagent/Standard               | Lot/Log # |
|--------------------------------|-----------|
| sulfate CCV 20ppm              | WP101805  |
| sulfate ICV 20ppm              | WP101806  |
| Sulfate Buffer solution A      | WP101811  |
| Sulfate LCS std, 20ppm         | WP101810  |
| Sulfate LOD std 2.5PPM         | WP101807  |
| Sulfate Calibration std, 15ppm | WP101799  |
| Sulfate Calibration std, 25ppm | WP101801  |
| Sulfate Calibration std, 0ppm  | WP101796  |
| Sulfate Calibration std, 10ppm | WP101798  |
| Sulfate Calibration std, 20ppm | WP101800  |
| Sulfate Calibration std, 30ppm | WP101802  |
| Sulfate Calibration std, 40ppm | WP101804  |
| Sulfate Calibration std, 5ppm  | WP101797  |
| Sulfate Calibration std, 35ppm | WP101803  |
| Sulfate LOQ Std- 5ppm          | WP101808  |

Intercept: -1.0199

Slope: 3.0047

Regression: 0.999477

| Seq | Lab ID | True Val<br>(mg/l) | DF | Matrix | Initial<br>Reading | Final<br>Reading | Difference | Result<br>(mg/l) | %D   | AnalDate   | Anal<br>Time |
|-----|--------|--------------------|----|--------|--------------------|------------------|------------|------------------|------|------------|--------------|
| 1   | CAL1   | 0                  | 1  | Water  | 0.202              | 0.246            | 0.044      | 0.354            |      | 04/03/2023 | 11:40        |
| 2   | CAL2   | 5                  | 1  | Water  | 0.204              | 13.100           | 12.896     | 4.631            | -7.4 | 04/03/2023 | 11:44        |
| 3   | CAL3   | 10                 | 1  | Water  | 0.205              | 30.100           | 29.895     | 10.289           | 2.9  | 04/03/2023 | 11:48        |
| 4   | CAL4   | 15                 | 1  | Water  | 0.207              | 42.800           | 42.593     | 14.515           | -3.2 | 04/03/2023 | 11:52        |
| 5   | CAL5   | 20                 | 1  | Water  | 0.208              | 59.600           | 59.392     | 20.106           | 0.5  | 04/03/2023 | 11:56        |
| 6   | CAL6   | 25                 | 1  | Water  | 0.210              | 74.600           | 74.390     | 25.097           | 0.4  | 04/03/2023 | 12:00        |
| 7   | CAL7   | 30                 | 1  | Water  | 0.213              | 90.100           | 89.887     | 30.255           | 0.8  | 04/03/2023 | 12:04        |
| 8   | CAL8   | 35                 | 1  | Water  | 0.215              | 102.000          | 101.785    | 34.215           | -2.2 | 04/03/2023 | 12:08        |
| 9   | CAL9   | 40                 | 1  | Water  | 0.216              | 121.000          | 120.784    | 40.538           | 1.3  | 04/03/2023 | 12:12        |



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Run Number: LB124803

| 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  | 0.214           | 59.300        | 59.086     | 20.004        | 04/03/2023 | 12:16     |
| 2   | ICB        |                |           |                   | 1  | Water  | 0.215           | 0.236         | 0.021      | 0.346         | 04/03/2023 | 12:20     |
| 3   | CCV1       |                |           | 20                | 1  | Water  | 0.217           | 60.500        | 60.283     | 20.402        | 04/03/2023 | 12:24     |
| 4   | CCB1       |                |           |                   | 1  | Water  | 0.218           | 0.261         | 0.043      | 0.354         | 04/03/2023 | 12:28     |
| 5   | LB124803BL | 50             | 50        |                   | 1  | Water  | 0.216           | 0.259         | 0.043      | 0.354         | 04/03/2023 | 12:32     |
| 6   | LB124803BS | 50             | 50        | 20                | 1  | Water  | 0.218           | 59.300        | 59.082     | 20.003        | 04/03/2023 | 12:36     |
| 7   | O1627-10   | 50             | 50        |                   | 1  | Water  | 0.222           | 6.420         | 6.198      | 2.402         | 04/03/2023 | 12:40     |
| 8   | O1627-11   | 50             | 50        |                   | 1  | Water  | 0.223           | 13.100        | 12.877     | 4.625         | 04/03/2023 | 12:44     |
| 9   | CCV2       |                |           | 20                | 1  | Water  | 0.216           | 59.900        | 59.684     | 20.203        | 04/03/2023 | 12:48     |
| 10  | CCB2       |                |           |                   | 1  | Water  | 0.217           | 0.263         | 0.046      | 0.355         | 04/03/2023 | 12:52     |
| 11  | O1953-05   | 50             | 50        |                   | 1  | Water  | 0.214           | 346.000       | 345.786    | 115.421       | 04/03/2023 | 12:56     |
| 12  | O1953-05   |                |           |                   | 5  | Water  | 0.212           | 65.200        | 64.988     | 21.968        | 04/03/2023 | 13:00     |
| 13  | CCV3       |                |           | 20                | 1  | Water  | 0.215           | 60.200        | 59.985     | 20.303        | 04/03/2023 | 13:04     |
| 14  | CCB3       |                |           |                   | 1  | Water  | 0.212           | 0.258         | 0.046      | 0.355         | 04/03/2023 | 13:08     |

# WORKLIST(Hardcopy Internal Chain)

L13124803

WorkList Name : SULFATE-032923-2      WorkList ID : 168595      Department : Wet-Chemistry      Date : 03-29-2023 11:19:33

| Due Date   | Matrix | Sample   | Test    | Preservative | Customer | Raw Sample Storage Location | Customer Sample           | Collect Date | Method      |
|------------|--------|----------|---------|--------------|----------|-----------------------------|---------------------------|--------------|-------------|
| 03/13/2023 | Water  | O1627-10 | Sulfate | Cool 4 deg C | CHEM02   | QA Of                       | LOD-MDL-WATER-04-QT1-2023 | 02/21/2023   | SM 4500-SO4 |
| 03/13/2023 | Water  | O1627-11 | Sulfate | Cool 4 deg C | CHEM02   | QA Of                       | LOQ-WATER-05-QT1-2023     | 02/21/2023   | SM 4500-SO4 |
| 03/30/2023 | Water  | O1953-05 | Sulfate | Cool 4 deg C | CHEM02   | QA Of                       | PT-MIN1-WP                | 03/14/2023   | SM 4500-SO4 |

Date/Time      04/03/23      11:20  
 Raw Sample Received by:      12 (WC)  
 Raw Sample Relinquished by:      SJ (QA)

Date/Time      04/03/23      13:20  
 Raw Sample Received by:      SJ (QA)  
 Raw Sample Relinquished by:      12 (WC)