

**Analytical Summary Report**

Analysis Method: 9038

ANALYST: AMANDEEP

Parameter: Sulfate

SUPERVISOR REVIEW BY: apatel

Run Number: LB107376

| Reagent/Standard               | Lot/Log # |
|--------------------------------|-----------|
| sulfate CCV 20ppm              | WP81566   |
| sulfate ICV 20ppm              | WP81567   |
| conditioning reagent           | WP80133   |
| Sulfate LCS std, 20ppm         | WP81568   |
| Sulfate Calibration std, 15ppm | WP81560   |
| Sulfate Calibration std, 25ppm | WP81562   |
| Sulfate Calibration std, 0ppm  | WP81557   |
| Sulfate Calibration std, 10ppm | WP81559   |
| Sulfate Calibration std, 20ppm | WP81561   |
| Sulfate Calibration std, 30ppm | WP81563   |
| Sulfate Calibration std, 40ppm | WP81565   |
| Sulfate Calibration std, 5ppm  | WP81558   |
| Sulfate Calibration std, 35ppm | WP81564   |
| Sulfate LOQ Std- 5ppm          | WP81570   |
| Sulfate LOD std 2.5PPM         | WP81628   |

Intercept: -1.0147

Slope: 3.048

Regression: 0.999414

| Seq | Lab ID | True Val<br>(mg/l) | DF | MATRIX | Initial<br>Reading | Final<br>Reading | Difference | AnalDate   | Anal Time |
|-----|--------|--------------------|----|--------|--------------------|------------------|------------|------------|-----------|
| 1   | CAL1   | 0                  | 1  | Water  | 0.338              | 0.582            | 0.244      | 01/29/2020 | 11:30     |
| 2   | CAL2   | 5                  | 1  | Water  | 0.352              | 14.800           | 14.448     | 01/29/2020 | 08:46     |
| 3   | CAL3   | 10                 | 1  | Water  | 0.372              | 28.200           | 27.828     | 01/29/2020 | 08:52     |
| 4   | CAL4   | 15                 | 1  | Water  | 0.370              | 44.900           | 44.530     | 01/29/2020 | 08:58     |
| 5   | CAL5   | 20                 | 1  | Water  | 0.334              | 60.600           | 60.266     | 01/29/2020 | 09:06     |
| 6   | CAL6   | 25                 | 1  | Water  | 0.380              | 74.500           | 74.120     | 01/29/2020 | 09:12     |
| 7   | CAL7   | 30                 | 1  | Water  | 0.376              | 90.200           | 89.824     | 01/29/2020 | 09:20     |
| 8   | CAL8   | 35                 | 1  | Water  | 0.312              | 109.000          | 108.688    | 01/29/2020 | 09:27     |
| 9   | CAL9   | 40                 | 1  | Water  | 0.330              | 120.000          | 119.670    | 01/29/2020 | 09:35     |



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ANALYST: AMANDEEP  
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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  | 0.410           | 63.000        | 62.590     | 20.868        | 01/29/2020 | 09:41     |
| 2   | ICB        |                |           |                   | 1  | Water  | 0.306           | 0.439         | 0.133      | 0.377         | 01/29/2020 | 09:46     |
| 3   | CCV1       |                |           | 20                | 1  | Water  | 0.359           | 60.300        | 59.941     | 19.999        | 01/29/2020 | 10:32     |
| 4   | CCB1       |                |           |                   | 1  | Water  | 0.311           | 0.428         | 0.117      | 0.371         | 01/29/2020 | 10:38     |
| 5   | LB107376BL | 50             | 50        |                   | 1  | Water  | 0.316           | 0.441         | 0.125      | 0.374         | 01/29/2020 | 10:45     |
| 6   | LB107376BS | 50             | 50        | 20                | 1  | Water  | 0.361           | 58.600        | 58.239     | 19.440        | 01/29/2020 | 10:52     |
| 7   | L1161-07   | 50             | 50        |                   | 1  | Water  | 0.351           | 6.660         | 6.309      | 2.403         | 01/29/2020 | 10:59     |
| 8   | L1161-08   | 50             | 50        |                   | 1  | Water  | 0.328           | 13.200        | 12.872     | 4.556         | 01/29/2020 | 11:06     |
| 9   | CCV2       |                |           | 20                | 1  | Water  | 0.337           | 59.900        | 59.563     | 19.875        | 01/29/2020 | 11:12     |
| 10  | CCB2       |                |           |                   | 1  | Water  | 0.327           | 0.457         | 0.130      | 0.376         | 01/29/2020 | 11:19     |

LB107376

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : SO4012720-2      WorkList ID : 135415      Department : Wet-Chemistry      Date : 01-27-2020 09:57:16

| Due Date   | Matrix | Sample   | Test    | Preservative | Customer | Storage Location | Customer Sample         | Collect Date | Method |
|------------|--------|----------|---------|--------------|----------|------------------|-------------------------|--------------|--------|
| 02/04/2020 | Water  | L1161-07 | Sulfate | Cool 4 deg C | CHEM02   | QA Office        | LOD-MDL-WATER-01-QT1-20 | 01/16/2020   | 9038   |
| 02/04/2020 | Water  | L1161-08 | Sulfate | Cool 4 deg C | CHEM02   | QA Office        | LOQ-WATER-02-QT1-2020   | 01/16/2020   | 9038   |

Date/Time 01-29-20  
Received by: W/A  
Relinquished by: \_\_\_\_\_

Date/Time 01-29-20  
Received by: W/A  
Relinquished by: \_\_\_\_\_