

**Analytical Summary Report**Analysis Method: SM 4500-SO4EANALYST: AMANDEEPParameter: SulfateSUPERVISOR REVIEW BY: apatelRun Number: LB90524

| Reagent/Standard          | Lot/Log # |
|---------------------------|-----------|
| sulfate ICV 20ppm         | WP58518   |
| Sulfate LCS std, 20ppm    | WP58520   |
| sulfate 0.0ppm            | WP58509   |
| sulfate 5ppm              | WP58510   |
| sulfate 10ppm             | WP58511   |
| sulfate 20ppm             | WP58513   |
| sulfate 30ppm             | WP58514   |
| sulfate 40ppm             | WP58517   |
| Sulfate Buffer solution A | WP58475   |
| Sulfate std, 15ppm        | WP58512   |
| Sulfate std, 35ppm        | WP58516   |
| Sulfate std, 25ppm        | WP58515   |

Intercept: -0.1608Slope: 2.9883Regression: 0.99988

| 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  | 0.161              | 0.380            | 0.219      | 10/03/2017 | 12:51     |
| 2   | CAL2   | 5                  | 1  | Water  | 0.160              | 14.300           | 14.140     | 10/03/2017 | 12:56     |
| 3   | CAL3   | 10                 | 1  | Water  | 0.159              | 30.200           | 30.041     | 10/03/2017 | 13:02     |
| 4   | CAL4   | 15                 | 1  | Water  | 0.180              | 43.900           | 43.720     | 10/03/2017 | 13:08     |
| 5   | CAL5   | 20                 | 1  | Water  | 0.178              | 60.900           | 60.722     | 10/03/2017 | 13:15     |
| 6   | CAL6   | 25                 | 1  | Water  | 0.170              | 74.400           | 74.230     | 10/03/2017 | 13:20     |
| 7   | CAL7   | 30                 | 1  | Water  | 0.179              | 89.900           | 89.721     | 10/03/2017 | 13:21     |
| 8   | CAL8   | 35                 | 1  | Water  | 0.186              | 104.900          | 104.714    | 10/03/2017 | 13:27     |
| 9   | CAL9   | 40                 | 1  | Water  | 0.154              | 119.100          | 118.946    | 10/03/2017 | 13:33     |



## Analytical Summary Report

Analysis Method: SM 4500-SO4E

ANALYST: AMANDEEP

Parameter: Sulfate

SUPERVISOR REVIEW BY: apatel

Run Number: LB90524

| Seq | Lab ID    | Initial Weight | Final Vol | True Value | DF | MATRIX | Initial Reading | Final Reading | Difference | Result (mg/L) | AnalDate   | Anal Time |
|-----|-----------|----------------|-----------|------------|----|--------|-----------------|---------------|------------|---------------|------------|-----------|
| 1   | ICV       |                |           | 20         | 1  | Water  | 0.161           | 59.900        | 59.739     | 20.045        | 10/03/2017 | 13:40     |
| 2   | ICB       |                |           |            | 1  | Water  | 0.180           | 0.290         | 0.110      | 0.091         | 10/03/2017 | 13:45     |
| 3   | CCV1      |                |           | 20         | 1  | Water  | 0.161           | 60.100        | 59.939     | 20.112        | 10/03/2017 | 13:50     |
| 4   | CCB1      |                |           |            | 1  | Water  | 0.159           | 0.279         | 0.120      | 0.094         | 10/03/2017 | 13:56     |
| 5   | LB90524BL | 50             | 50        |            | 1  | Water  | 0.164           | 0.285         | 0.121      | 0.094         | 10/03/2017 | 14:03     |
| 6   | LB90524BS | 50             | 50        | 20         | 1  | Water  | 0.373           | 60.100        | 59.727     | 20.041        | 10/03/2017 | 13:10     |
| 7   | I5334-01  | 50             | 50        |            | 1  | Water  | 0.376           | 115.000       | 114.624    | 38.411        | 10/03/2017 | 13:16     |
| 8   | CCV2      |                |           | 20         | 1  | Water  | 0.190           | 59.600        | 59.410     | 19.935        | 10/03/2017 | 13:21     |
| 9   | CCB2      |                |           |            | 1  | Water  | 0.159           | 0.278         | 0.119      | 0.094         | 10/03/2017 | 13:26     |

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : I5334 Wet PT      WorkList ID : 103111

Date : 9/21/2017 10:10:32 AM

| Due Date   | Matrix | Sample   | Test             | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method       |
|------------|--------|----------|------------------|--------------|----------|------------------|-----------------|--------------|--------------|
| 09/21/2007 | Water  | I5334-01 | Anions Group1    | Cool 4 deg C | CHEM02   | QA Office        | 0702            | 09/19/2007   | 300.0        |
| 09/21/2007 | Water  | I5334-01 | Anions Group4    |              | CHEM02   | QA Office        | 0702            | 09/19/2007   | 300.0        |
| 09/21/2007 | Water  | I5334-01 | Phosphorus-Ortho | Cool 4 deg C | CHEM02   | QA Office        | 0702            | 09/19/2007   | SM4500-P E   |
| 10/17/2007 | Water  | I5334-01 | Sulfate          | Cool 4 deg C | CHEM02   | QA Office        | 0702            | 09/19/2007   | SM 4500-SO4R |

Date/Time 9/21/17 10:30  
 Received by: MA  
 Relinquished by: MA

Date/Time 10/12/17 12:00 PM  
 Received by: MA  
 Relinquished by: MA