



## Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Alexander

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: apatel

Run Number: LB111964

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| calibration std. phosphate 1 ppm    | WP88142   |
| calibration std. phosphate 0.5 ppm  | WP88141   |
| calibration std. phosphate 0.3 ppm  | WP88140   |
| calibration std. phosphate 0.1 ppm  | WP88139   |
| calibration std. phosphate 0.05 ppm | WP88138   |
| calibration std. 0 ppm              | WP88137   |
| phosphate CCV std.                  | WP88164   |
| 5N sulfuric acid                    | WP88023   |
| Combined reagent                    | WP88167   |
| Phenolphthalein indicator           | WP85963   |
| Sodium hydroxide, 1N                | WP86467   |
| Phosphate ICV-LCS Std               | WP88165   |

Intercept: 0.002

Slope: 0.6163

Regression: 0.999899

| Seq | Lab ID | True Value (mg/L) | DF | Initial Volume (mL) | Final Volume (mL) | Absorbance Reading at 880nm | AnalDate   | AnalTime |
|-----|--------|-------------------|----|---------------------|-------------------|-----------------------------|------------|----------|
| 1   | CAL1   | 0.00              | 1  | 50                  | 50                | 0.000                       | 11/13/2020 | 13:10    |
| 2   | CAL2   | 0.05              | 1  | 50                  | 50                | 0.037                       | 11/13/2020 | 13:10    |
| 3   | CAL3   | 0.10              | 1  | 50                  | 50                | 0.066                       | 11/13/2020 | 13:11    |
| 4   | CAL4   | 0.30              | 1  | 50                  | 50                | 0.182                       | 11/13/2020 | 13:12    |
| 5   | CAL5   | 0.50              | 1  | 50                  | 50                | 0.309                       | 11/13/2020 | 13:12    |
| 6   | CAL6   | 1.00              | 1  | 50                  | 50                | 0.620                       | 11/13/2020 | 13:12    |



## Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Alexander

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: apatel

Run Number: LB111964

| Seq | Lab ID      | True Value (mg/l) | DF | Initial Volume (mL) | Final Volume (mL) | Absorbance Reading at 880nm | Result (mg/L) | AnalDate   | AnalTime |
|-----|-------------|-------------------|----|---------------------|-------------------|-----------------------------|---------------|------------|----------|
| 1   | ICV         | 0.50              | 1  | 50                  | 50                | 0.312                       | 0.503         | 11/13/2020 | 13:13    |
| 2   | ICB         |                   | 1  | 50                  | 50                | 0.000                       | -0.003        | 11/13/2020 | 13:14    |
| 3   | CCV1        | 0.5               | 1  | 50                  | 50                | 0.313                       | 0.505         | 11/13/2020 | 13:14    |
| 4   | CCB1        |                   | 1  | 50                  | 50                | 0.000                       | -0.003        | 11/13/2020 | 13:15    |
| 5   | LB111964BL  |                   | 1  | 50                  | 50                | 0.000                       | -0.003        | 11/13/2020 | 13:15    |
| 6   | LB111964BS  | 0.5               | 1  | 50                  | 50                | 0.310                       | 0.500         | 11/13/2020 | 13:16    |
| 7   | L4752-01    |                   | 1  | 50                  | 50                | 1.361                       | 2.205         | 11/13/2020 | 13:17    |
| 8   | L4752-01DUP |                   | 1  | 50                  | 50                | 1.389                       | 2.251         | 11/13/2020 | 13:17    |
| 9   | L4752-01MS  | 0.5               | 1  | 50                  | 50                | 1.379                       | 2.234         | 11/13/2020 | 13:18    |
| 10  | L4752-01MSD | 0.5               | 1  | 50                  | 50                | 1.382                       | 2.239         | 11/13/2020 | 13:18    |
| 11  | L4752-01    |                   | 50 | 50                  | 50                | 0.514                       | 0.831         | 11/13/2020 | 13:40    |
| 12  | L4752-01DUP |                   | 50 | 50                  | 50                | 0.499                       | 0.806         | 11/13/2020 | 13:40    |
| 13  | L4752-01MS  | 0.5               | 50 | 50                  | 50                | 0.518                       | 0.837         | 11/13/2020 | 13:41    |
| 14  | L4752-01MSD | 0.5               | 50 | 50                  | 50                | 0.517                       | 0.836         | 11/13/2020 | 13:41    |
| 15  | CCV2        | 0.5               | 1  | 50                  | 50                | 0.318                       | 0.513         | 11/13/2020 | 13:42    |
| 16  | CCB2        |                   | 1  | 50                  | 50                | 0.000                       | -0.003        | 11/13/2020 | 13:42    |

# 2B11969 WORKLIST(Hardcopy Internal Chain)

WorkList Name : OP-111320      WorkList ID : 144144      Department : Wet-Chemistry      Date : 11-13-2020 12:35:11

| Due Date   | Matrix | Sample   | Test             | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method     |
|------------|--------|----------|------------------|--------------|----------|------------------|-----------------|--------------|------------|
| 11/14/2020 | Water  | L4752-01 | Phosphorus-Ortho | Cool 4 deg C | HOLL01   | F61              | EFFLUENT        | 11/12/2020   | SM4500-P E |

Date/Time 11/13/2020 12:40  
 Received by: AMT wet-chem  
 Relinquished by: AMT wet-chem

Date/Time 11/13/2020 13:50  
 Received by: JP Gosh  
 Relinquished by: AMT wet-chem