



## Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Alexander

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: apatel

Run Number: LB110346

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| calibration std. phosphate 1 ppm    | WP85842   |
| calibration std. phosphate 0.5 ppm  | WP85841   |
| calibration std. phosphate 0.3 ppm  | WP85840   |
| calibration std. phosphate 0.1 ppm  | WP85839   |
| calibration std. phosphate 0.05 ppm | WP85838   |
| phosphate CCV std.                  | WP85959   |
| 5N sulfuric acid                    | WP84066   |
| Combined reagent                    | WP85962   |
| Phenolphthalein indicator           | WP85963   |
| Sodium hydroxide, 1N                | WP82378   |
| Phosphate ICV-LCS Std               | WP85960   |
| Phosphate LOD-MDL Std 0.025ppm      | WP85979   |
| calibration std. 0 ppm              | WP85837   |

Intercept: -0

Slope: 0.6108

Regression: 0.999953

| 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                       | 07/31/2020 | 17:10    |
| 2   | CAL2   | 0.05              | 1  | 50                  | 50                | 0.032                       | 07/31/2020 | 17:10    |
| 3   | CAL3   | 0.10              | 1  | 50                  | 50                | 0.063                       | 07/31/2020 | 17:11    |
| 4   | CAL4   | 0.30              | 1  | 50                  | 50                | 0.179                       | 07/31/2020 | 17:11    |
| 5   | CAL5   | 0.50              | 1  | 50                  | 50                | 0.305                       | 07/31/2020 | 17:12    |
| 6   | CAL6   | 1.00              | 1  | 50                  | 50                | 0.612                       | 07/31/2020 | 17:12    |



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Run Number: LB110346

| 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                | 0.308                       | 0.504         | 07/31/2020 | 17:14    |
| 2   | ICB         |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 07/31/2020 | 17:14    |
| 3   | CCV1        | 0.5               | 1  | 50                  | 50                | 0.309                       | 0.506         | 07/31/2020 | 17:15    |
| 4   | CCB1        |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 07/31/2020 | 17:15    |
| 5   | LB110346BL  |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 07/31/2020 | 17:16    |
| 6   | LB110346BS  | 0.5               | 1  | 50                  | 50                | 0.309                       | 0.506         | 07/31/2020 | 17:16    |
| 7   | L3216-09    |                   | 1  | 50                  | 50                | 0.020                       | 0.033         | 07/31/2020 | 17:17    |
| 8   | L3532-01    |                   | 1  | 50                  | 50                | 1.621                       | 2.654         | 07/31/2020 | 17:17    |
| 9   | L3532-01DUP |                   | 1  | 50                  | 50                | 1.745                       | 2.857         | 07/31/2020 | 17:18    |
| 10  | L3532-01MS  | 0.5               | 1  | 50                  | 50                | 1.697                       | 2.778         | 07/31/2020 | 17:19    |
| 11  | L3532-01MSD | 0.5               | 1  | 50                  | 50                | 1.702                       | 2.787         | 07/31/2020 | 17:19    |
| 12  | L3532-01    |                   | 50 | 50                  | 50                | 0.401                       | 0.657         | 07/31/2020 | 17:33    |
| 13  | L3532-01DUP |                   | 50 | 50                  | 50                | 0.425                       | 0.696         | 07/31/2020 | 17:37    |
| 14  | L3532-01MS  | 0.5               | 50 | 50                  | 50                | 0.405                       | 0.663         | 07/31/2020 | 17:37    |
| 15  | CCV2        | 0.5               | 1  | 50                  | 50                | 0.310                       | 0.508         | 07/31/2020 | 17:38    |
| 16  | CCB2        |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 07/31/2020 | 17:38    |
| 17  | L3532-01MSD | 0.5               | 50 | 50                  | 50                | 0.404                       | 0.661         | 07/31/2020 | 17:39    |
| 18  | CCV3        | 0.5               | 1  | 50                  | 50                | 0.310                       | 0.508         | 07/31/2020 | 17:40    |
| 19  | CCB3        |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 07/31/2020 | 17:40    |

L-13103232B110346

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : OP-73120      WorkList ID : 141061      Department : Wet-Chemistry      Date : 07-31-2020 16:34:54

| Due Date   | Matrix | Sample   | Test             | Preservative  | Customer | Storage Location | Customer Sample | Collect Date | Method     |
|------------|--------|----------|------------------|---------------|----------|------------------|-----------------|--------------|------------|
| 08/01/2020 | Water  | L3532-01 | Phosphorus-Ortho | Conc H2SO4 1c | HOLL01   | I53              | EFFLUENT        | 07/30/2020   | SM4500-P E |

Date/Time 7/31/2020 16:40

Received by: AM (wet-chem)

Relinquished by: Jot (wet-chem)

Date/Time 7/31/2020 17:45

Received by: Jo (wet-chem)

Relinquished by: AM (wet-chem)