

## Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Iwona

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: Sohil

Run Number: LB125461

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| calibration std. phosphate 1 ppm    | WP102439  |
| calibration std. phosphate 0.5 ppm  | WP102438  |
| calibration std. phosphate 0.3 ppm  | WP102437  |
| calibration std. phosphate 0.1 ppm  | WP102436  |
| calibration std. phosphate 0.05 ppm | WP102435  |
| calibration std. 0 ppm              | WP102434  |
| phosphate CCV std.                  | WP102440  |
| Combined reagent                    | WP102443  |
| Phenolphthalein indicator           | WP100008  |
| Sodium hydroxide, 1N                | WP101216  |
| Phosphate ICV-LCS Std               | WP102441  |

Intercept: -0.0012

Slope: 0.6519

Regression: 0.999893

| Seq | Lab ID | True Value (mg/L) | DF | Initial Volume (mL) | Final Volume (mL) | Absorbance Reading at 880nm | Result (mg/L) | %D   | AnalDate   | AnalTime |
|-----|--------|-------------------|----|---------------------|-------------------|-----------------------------|---------------|------|------------|----------|
| 1   | CAL1   | 0.00              | 1  | 50                  | 50                | 0.000                       | 0.002         |      | 05/12/2023 | 15:10    |
| 2   | CAL2   | 0.05              | 1  | 50                  | 50                | 0.033                       | 0.052         | 4    | 05/12/2023 | 15:10    |
| 3   | CAL3   | 0.10              | 1  | 50                  | 50                | 0.066                       | 0.103         | 3    | 05/12/2023 | 15:11    |
| 4   | CAL4   | 0.30              | 1  | 50                  | 50                | 0.187                       | 0.289         | -3.7 | 05/12/2023 | 15:11    |
| 5   | CAL5   | 0.50              | 1  | 50                  | 50                | 0.326                       | 0.502         | 0.4  | 05/12/2023 | 15:12    |
| 6   | CAL6   | 1.00              | 1  | 50                  | 50                | 0.652                       | 1.002         | 0.2  | 05/12/2023 | 15:12    |



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| 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                | 0.327                       | 0.503         | 05/12/2023 | 15:13    |
| 2   | ICB         |                   | 1  | 50                  | 50                | 0.002                       | 0.005         | 05/12/2023 | 15:13    |
| 3   | CCV1        | 0.5               | 1  | 50                  | 50                | 0.321                       | 0.494         | 05/12/2023 | 15:14    |
| 4   | CCB1        |                   | 1  | 50                  | 50                | 0.001                       | 0.003         | 05/12/2023 | 15:14    |
| 5   | RL Check    | 0.01              | 1  | 50                  | 50                | 0.031                       | 0.049         | 05/12/2023 | 15:15    |
| 6   | LB125461BL  |                   | 1  | 50                  | 50                | 0.002                       | 0.005         | 05/12/2023 | 15:15    |
| 7   | LB125461BS  | 0.5               | 1  | 50                  | 50                | 0.326                       | 0.502         | 05/12/2023 | 15:16    |
| 8   | O2778-01    |                   | 1  | 50                  | 50                | 2.008                       | 3.082         | 05/12/2023 | 15:16    |
| 9   | O2778-01DUP |                   | 1  | 50                  | 50                | 2.005                       | 3.077         | 05/12/2023 | 15:17    |
| 10  | O2778-01MS  | 0.5               | 1  | 50                  | 50                | 2.112                       | 3.242         | 05/12/2023 | 15:17    |
| 11  | O2778-01MSD | 0.5               | 1  | 50                  | 50                | 2.116                       | 3.248         | 05/12/2023 | 15:18    |
| 12  | O2778-01    |                   | 10 | 50                  | 50                | 0.344                       | 0.530         | 05/12/2023 | 15:18    |
| 13  | O2778-01DUP |                   | 10 | 50                  | 50                | 0.343                       | 0.528         | 05/12/2023 | 15:19    |
| 14  | O2778-01MS  | 0.5               | 10 | 50                  | 50                | 0.370                       | 0.569         | 05/12/2023 | 15:19    |
| 15  | CCV2        | 0.5               | 1  | 50                  | 50                | 0.328                       | 0.505         | 05/12/2023 | 15:20    |
| 16  | CCB2        |                   | 1  | 50                  | 50                | 0.002                       | 0.005         | 05/12/2023 | 15:20    |
| 17  | O2778-01MSD | 0.5               | 10 | 50                  | 50                | 0.369                       | 0.568         | 05/12/2023 | 15:21    |
| 18  | CCV3        | 0.5               | 1  | 50                  | 50                | 0.324                       | 0.499         | 05/12/2023 | 15:21    |
| 19  | CCB3        |                   | 1  | 50                  | 50                | 0.001                       | 0.003         | 05/12/2023 | 15:22    |

# WORKLIST(Hardcopy Internal Chain)

LB125461

WorkList Name : ORTHOP-051223

WorkList ID : 169960

Department : Wet-Chemistry

Date : 05-12-2023 13:16:33

| Due Date   | Matrix | Sample   | Test             | Preservative | Customer | Raw Sample Storage Location | Customer Sample | Collect Date | Method     |
|------------|--------|----------|------------------|--------------|----------|-----------------------------|-----------------|--------------|------------|
| 05/14/2023 | Water  | O2778-01 | Phosphorus-Ortho | Cool 4 deg C | HOLL01   | O11                         | EFFLUENT        | 05/12/2023   | SM4500-P E |

Date/Time 05/12/23 14:20  
 Raw Sample Received by: 12 (24) [Signature]  
 Raw Sample Relinquished by: [Signature]

Date/Time 05/12/23 15:30  
 Raw Sample Received by: 12 (24) [Signature]  
 Raw Sample Relinquished by: 12 (24) [Signature]