

# Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Rubina

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: Iwona

Run Number: LB130414

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| calibration std. phosphate 1 ppm    | WP107562  |
| calibration std. phosphate 0.5 ppm  | WP107561  |
| calibration std. phosphate 0.3 ppm  | WP107560  |
| calibration std. phosphate 0.1 ppm  | WP107559  |
| calibration std. phosphate 0.05 ppm | WP107558  |
| calibration std. 0 ppm              | WP107557  |
| phosphate CCV std.                  | WP107563  |
| 5N sulfuric acid                    | WP105081  |
| Combined reagent                    | WP107566  |
| Phenolphthalein indicator           | WP105923  |
| Sodium hydroxide, 1N                | WP106529  |
| Phosphate ICV-LCS Std               | WP107564  |

Intercept: -0.001

Slope: 0.6517

Regression: 0.99997

| 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         |      | 04/19/2024 | 16:00    |
| 2   | CAL2   | 0.05              | 1  | 50                  | 50                | 0.031                       | 0.049         | -2   | 04/19/2024 | 16:00    |
| 3   | CAL3   | 0.10              | 1  | 50                  | 50                | 0.064                       | 0.1           | 0    | 04/19/2024 | 16:01    |
| 4   | CAL4   | 0.30              | 1  | 50                  | 50                | 0.192                       | 0.296         | -1.3 | 04/19/2024 | 16:01    |
| 5   | CAL5   | 0.50              | 1  | 50                  | 50                | 0.328                       | 0.505         | 1    | 04/19/2024 | 16:02    |
| 6   | CAL6   | 1.00              | 1  | 50                  | 50                | 0.650                       | 0.999         | -0.1 | 04/19/2024 | 16:02    |



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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                | 0.330                       | 0.508         | 04/19/2024 | 16:03    |
| 2   | ICB         |                   | 1  | 50                  | 50                | 0.001                       | 0.003         | 04/19/2024 | 16:03    |
| 3   | CCV1        | 0.5               | 1  | 50                  | 50                | 0.332                       | 0.511         | 04/19/2024 | 16:04    |
| 4   | CCB1        |                   | 1  | 50                  | 50                | 0.001                       | 0.003         | 04/19/2024 | 16:04    |
| 5   | RL Check    | 0.01              | 1  | 50                  | 50                | 0.032                       | 0.051         | 04/19/2024 | 16:05    |
| 6   | LB130414BL  |                   | 1  | 50                  | 50                | 0.000                       | 0.002         | 04/19/2024 | 16:05    |
| 7   | LB130414BS  | 0.5               | 1  | 50                  | 50                | 0.331                       | 0.509         | 04/19/2024 | 16:06    |
| 8   | P2210-01    |                   | 1  | 50                  | 50                | 0.096                       | 0.149         | 04/19/2024 | 16:06    |
| 9   | P2210-01DUP |                   | 1  | 50                  | 50                | 0.097                       | 0.150         | 04/19/2024 | 16:07    |
| 10  | P2210-01MS  | 0.5               | 1  | 50                  | 50                | 0.401                       | 0.617         | 04/19/2024 | 16:07    |
| 11  | P2210-01MSD | 0.5               | 1  | 50                  | 50                | 0.402                       | 0.618         | 04/19/2024 | 16:08    |
| 12  | CCV2        | 0.5               | 1  | 50                  | 50                | 0.332                       | 0.511         | 04/19/2024 | 16:08    |
| 13  | CCB2        |                   | 1  | 50                  | 50                | 0.001                       | 0.003         | 04/19/2024 | 16:09    |