

**Analytical Summary Report**Analysis Method: SM4500-P EANALYST: AMANDEEPParameter: Phosphorus-OrthoSUPERVISOR REVIEW BY: apatelRun Number: LB95454

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| 5N sulfuric acid                    | WP61786   |
| phosphate LCS std                   | WP64628   |
| calibration std. phosphate 1 ppm    | WP64623   |
| calibration std. phosphate 0.5 ppm  | WP64622   |
| calibration std. phosphate 0.3 ppm  | WP64621   |
| calibration std. 0 ppm              | WP64618   |
| phosphate ICV std.                  | WP64627   |
| phosphate CCV std.                  | WP64626   |
| calibration std. phosphate 0.1 ppm  | WP64620   |
| calibration std. phosphate 0.05 ppm | WP64619   |
| Combined reagent                    | WP64625   |
| Phenolphthalein indicator           | WP61777   |
| Sodium hydroxide, 1N                | WP61776   |

Intercept: 0.0004Slope: 0.633Regression: 0.999827

| 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                       | 05/18/2018 | 11:41    |
| 2   | CAL2   | 0.05              | 1  | 50                  | 50                | 0.032                       | 05/18/2018 | 11:41    |
| 3   | CAL3   | 0.10              | 1  | 50                  | 50                | 0.064                       | 05/18/2018 | 11:42    |
| 4   | CAL4   | 0.30              | 1  | 50                  | 50                | 0.185                       | 05/18/2018 | 11:42    |
| 5   | CAL5   | 0.50              | 1  | 50                  | 50                | 0.325                       | 05/18/2018 | 11:43    |
| 6   | CAL6   | 1.00              | 1  | 50                  | 50                | 0.631                       | 05/18/2018 | 11:43    |



## Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: AMANDEEP

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: apatel

Run Number: LB95454

| 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                | 0.321                       | 0.506         | 05/18/2018 | 11:44    |
| 2   | ICB         |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 05/18/2018 | 11:44    |
| 3   | CCV1        | 0.5               | 1  | 50                  | 50                | 0.324                       | 0.511         | 05/18/2018 | 11:45    |
| 4   | CCB1        |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 05/18/2018 | 11:45    |
| 5   | LB95454BL   |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 05/18/2018 | 11:46    |
| 6   | LB95454BS   | 0.5               | 1  | 50                  | 50                | 0.320                       | 0.505         | 05/18/2018 | 11:47    |
| 7   | J3017-01    |                   | 1  | 50                  | 50                | 1.430                       | 2.258         | 05/18/2018 | 11:47    |
| 8   | J3017-01DUP |                   | 1  | 50                  | 50                | 1.431                       | 2.260         | 05/18/2018 | 11:48    |
| 9   | J3017-01MS  | 0.5               | 1  | 50                  | 50                | 1.578                       | 2.492         | 05/18/2018 | 11:48    |
| 10  | J3017-01MSD | 0.5               | 1  | 50                  | 50                | 1.558                       | 2.461         | 05/18/2018 | 11:49    |
| 11  | J3017-01    |                   | 20 | 50                  | 50                | 0.371                       | 0.585         | 05/18/2018 | 12:00    |
| 12  | J3017-01DUP |                   | 20 | 50                  | 50                | 0.382                       | 0.603         | 05/18/2018 | 12:00    |
| 13  | J3017-01MS  | 0.5               | 20 | 50                  | 50                | 0.385                       | 0.608         | 05/18/2018 | 12:01    |
| 14  | J3017-01MSD | 0.5               | 20 | 50                  | 50                | 0.383                       | 0.604         | 05/18/2018 | 12:01    |
| 15  | CCV2        | 0.5               | 1  | 50                  | 50                | 0.321                       | 0.506         | 05/18/2018 | 12:02    |
| 16  | CCB2        |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 05/18/2018 | 12:02    |

0395454

WORKLIST(Hardcopy Internal Chain)

WorkList Name : op051818

WorkList ID : 112300

Date : 5/18/2018 11:03:40 AM

| Due Date   | Matrix | Sample   | Test             | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method     |
|------------|--------|----------|------------------|--------------|----------|------------------|-----------------|--------------|------------|
| 05/19/2018 | Water  | J3017-01 | Phosphorus-Ortho | Cool 4 deg C | HOLL01   | L42              | EFFLUENT        | 05/17/2018   | SM4500-P E |

Date/Time 5/18/18 11:10  
Received by: AO  
Relinquished by: AO

Date/Time 5/18/18 12:40  
Received by: AO  
Relinquished by: AO