

**Analytical Summary Report**Analysis Method: SM4500-P EANALYST: AMANDEEPParameter: Phosphorus-OrthoSUPERVISOR REVIEW BY: apatelRun Number: LB91654

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| 5N sulfuric acid                    | WP56414   |
| phosphate LCS std                   | WP59710   |
| calibration std. phosphate 1 ppm    | WP59707   |
| calibration std. phosphate 0.5 ppm  | WP59706   |
| calibration std. phosphate 0.3 ppm  | WP59705   |
| calibration std. 0 ppm              | WP59702   |
| phosphate ICV std.                  | WP59709   |
| phosphate CCV std.                  | WP59708   |
| calibration std. phosphate 0.1 ppm  | WP59704   |
| calibration std. phosphate 0.05 ppm | WP59703   |
| Combined reagent                    | WP59712   |
| Phenolphthalein indicator           | WP57038   |
| Sodium hydroxide, 1N                | WP57036   |

Intercept: 0.0008Slope: 0.6318Regression: 0.999873

| 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                       | 11/17/2017 | 10:45    |
| 2   | CAL2   | 0.05              | 1  | 50                  | 50                | 0.033                       | 11/17/2017 | 10:45    |
| 3   | CAL3   | 0.10              | 1  | 50                  | 50                | 0.065                       | 11/17/2017 | 10:46    |
| 4   | CAL4   | 0.30              | 1  | 50                  | 50                | 0.185                       | 11/17/2017 | 10:46    |
| 5   | CAL5   | 0.50              | 1  | 50                  | 50                | 0.323                       | 11/17/2017 | 10:47    |
| 6   | CAL6   | 1.00              | 1  | 50                  | 50                | 0.631                       | 11/17/2017 | 10:47    |



## Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: AMANDEEP

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: apatel

Run Number: LB91654

| 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                | 0.320                       | 0.505         | 11/17/2017 | 10:48    |
| 2   | ICB         |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 11/17/2017 | 10:48    |
| 3   | CCV1        | 0.5               | 1  | 50                  | 50                | 0.322                       | 0.508         | 11/17/2017 | 10:48    |
| 4   | CCB1        |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 11/17/2017 | 10:49    |
| 5   | LB91654BL   |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 11/17/2017 | 10:49    |
| 6   | LB91654BS   | 0.5               | 1  | 50                  | 50                | 0.320                       | 0.505         | 11/17/2017 | 10:50    |
| 7   | I6507-01    |                   | 1  | 50                  | 50                | 0.139                       | 0.219         | 11/17/2017 | 10:50    |
| 8   | I6507-01DUP |                   | 1  | 50                  | 50                | 0.138                       | 0.217         | 11/17/2017 | 10:51    |
| 9   | I6507-01MS  | 0.5               | 1  | 50                  | 50                | 0.384                       | 0.607         | 11/17/2017 | 10:51    |
| 10  | I6507-01MSD | 0.5               | 1  | 50                  | 50                | 0.379                       | 0.599         | 11/17/2017 | 10:52    |
| 11  | CCV2        | 0.5               | 1  | 50                  | 50                | 0.321                       | 0.507         | 11/17/2017 | 10:53    |
| 12  | CCB2        |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 11/17/2017 | 10:53    |

6391654

WORKLIST(Hardcopy Internal Chain)

WorkList Name : OP111717

WorkList ID : 105619

Date : 11/17/2017 8:58:29 AM

| Due Date   | Matrix | Sample   | Test             | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method     |
|------------|--------|----------|------------------|--------------|----------|------------------|-----------------|--------------|------------|
| 11/17/2017 | Water  | I6507-01 | Phosphorus-Ortho | Cool 4 deg C | HOLL01   | J11              | EFFLUENT        | 11/15/2017   | SM4500-P E |

Date/Time 10/17/17 9:05  
Received by: AK  
Relinquished by: AK

Date/Time 10/17/17 11:15  
Received by: AK  
Relinquished by: AK