

**Analytical Summary Report**Analysis Method: SM4500-P EANALYST: AMANDEEPParameter: Phosphorus-OrthoSUPERVISOR REVIEW BY: apatelRun Number: LB106638

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| 5N sulfuric acid                    | WP79628   |
| phosphate LCS std                   | WP80342   |
| calibration std. phosphate 1 ppm    | WP80337   |
| calibration std. phosphate 0.5 ppm  | WP80336   |
| calibration std. phosphate 0.3 ppm  | WP80335   |
| calibration std. 0 ppm              | WP80332   |
| phosphate ICV std.                  | WP80341   |
| phosphate CCV std.                  | WP80340   |
| calibration std. phosphate 0.1 ppm  | WP80334   |
| calibration std. phosphate 0.05 ppm | WP80333   |
| Combined reagent                    | WP80339   |
| Phenolphthalein indicator           | WP77313   |
| Sodium hydroxide, 1N                | WP77314   |

Intercept: 0.0008Slope: 0.6314Regression: 0.999776

| 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                       | 12/06/2019 | 15:45    |
| 2   | CAL2   | 0.05              | 1  | 50                  | 50                | 0.032                       | 12/06/2019 | 15:46    |
| 3   | CAL3   | 0.10              | 1  | 50                  | 50                | 0.064                       | 12/06/2019 | 15:46    |
| 4   | CAL4   | 0.30              | 1  | 50                  | 50                | 0.185                       | 12/06/2019 | 15:47    |
| 5   | CAL5   | 0.50              | 1  | 50                  | 50                | 0.326                       | 12/06/2019 | 15:47    |
| 6   | CAL6   | 1.00              | 1  | 50                  | 50                | 0.629                       | 12/06/2019 | 15:48    |



## Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: AMANDEEP

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: apatel

Run Number: LB106638

| 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                | 0.323                       | 0.510         | 12/06/2019 | 15:49    |
| 2   | ICB         |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 12/06/2019 | 15:49    |
| 3   | CCV1        | 0.5               | 1  | 50                  | 50                | 0.325                       | 0.513         | 12/06/2019 | 15:50    |
| 4   | CCB1        |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 12/06/2019 | 15:50    |
| 5   | LB106638BL  |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 12/06/2019 | 15:51    |
| 6   | LB106638BS  | 0.5               | 1  | 50                  | 50                | 0.319                       | 0.504         | 12/06/2019 | 15:51    |
| 7   | K6192-01    |                   | 1  | 50                  | 50                | 2.216                       | 3.508         | 12/06/2019 | 15:52    |
| 8   | K6192-01DUP |                   | 1  | 50                  | 50                | 2.220                       | 3.515         | 12/06/2019 | 15:52    |
| 9   | K6192-01MS  | 0.5               | 1  | 50                  | 50                | 2.373                       | 3.757         | 12/06/2019 | 15:53    |
| 10  | K6192-01MSD | 0.5               | 1  | 50                  | 50                | 2.364                       | 3.743         | 12/06/2019 | 15:53    |
| 11  | K6192-01    |                   | 50 | 50                  | 50                | 0.343                       | 0.542         | 12/06/2019 | 16:02    |
| 12  | K6192-01DUP |                   | 50 | 50                  | 50                | 0.340                       | 0.537         | 12/06/2019 | 16:03    |
| 13  | K6192-01MS  | 0.5               | 50 | 50                  | 50                | 0.348                       | 0.550         | 12/06/2019 | 16:05    |
| 14  | K6192-01MSD | 0.5               | 50 | 50                  | 50                | 0.349                       | 0.551         | 12/06/2019 | 16:06    |
| 15  | CCV2        | 0.5               | 1  | 50                  | 50                | 0.324                       | 0.512         | 12/06/2019 | 16:07    |
| 16  | CCB2        |                   | 1  | 50                  | 50                | 0.000                       | -0.001        | 12/06/2019 | 16:07    |

WORKLIST(Hardcopy Internal Chain)

Date: 12-06-2019 15:11:07

Department : Wet-Chemistry

WorkList ID: 133972

WorkList Name : OP12619

| Due Date   | Matrix | Sample   | Test             | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method     |
|------------|--------|----------|------------------|--------------|----------|------------------|-----------------|--------------|------------|
| 12/07/2019 | Water  | K6192-01 | Phosphorus-Ortho | Cool 4 deg C | HOLL01   | H13              | EFFLUENT        | 12/05/2019   | SM4500-P E |

Date/Time 12-6-19 15:30

Received by: \_\_\_\_\_

Relinquished by: 

Date/Time

Received by:

**Relinquished by:**