



## Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Alexander

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: apatel

Run Number: LB112809

| Reagent/Standard                    | Lot/Log # |
|-------------------------------------|-----------|
| calibration std. phosphate 1 ppm    | WP89036   |
| calibration std. phosphate 0.5 ppm  | WP89035   |
| calibration std. phosphate 0.3 ppm  | WP89034   |
| calibration std. phosphate 0.1 ppm  | WP89033   |
| calibration std. phosphate 0.05 ppm | WP89032   |
| calibration std. 0 ppm              | WP89031   |
| phosphate CCV std.                  | WP89127   |
| 5N sulfuric acid                    | WP88023   |
| Combined reagent                    | WP89130   |
| Phenolphthalein indicator           | WP88839   |
| Sodium hydroxide, 1N                | WP86467   |
| Phosphate ICV-LCS Std               | WP89128   |

Intercept: 0.0003

Slope: 0.6499

Regression: 0.999712

| 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                       | 01/15/2021 | 13:28    |
| 2   | CAL2   | 0.05              | 1  | 50                  | 50                | 0.037                       | 01/15/2021 | 13:28    |
| 3   | CAL3   | 0.10              | 1  | 50                  | 50                | 0.070                       | 01/15/2021 | 13:29    |
| 4   | CAL4   | 0.30              | 1  | 50                  | 50                | 0.184                       | 01/15/2021 | 13:29    |
| 5   | CAL5   | 0.50              | 1  | 50                  | 50                | 0.325                       | 01/15/2021 | 13:30    |
| 6   | CAL6   | 1.00              | 1  | 50                  | 50                | 0.653                       | 01/15/2021 | 13:30    |



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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                | 0.320                       | 0.492         | 01/15/2021 | 13:32    |
| 2   | ICB         |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 01/15/2021 | 13:33    |
| 3   | CCV1        | 0.5               | 1  | 50                  | 50                | 0.339                       | 0.521         | 01/15/2021 | 13:33    |
| 4   | CCB1        |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 01/15/2021 | 13:34    |
| 5   | LB112809BL  |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 01/15/2021 | 13:34    |
| 6   | LB112809BS  | 0.5               | 1  | 50                  | 50                | 0.322                       | 0.495         | 01/15/2021 | 13:35    |
| 7   | M1166-01    |                   | 1  | 50                  | 50                | 2.081                       | 3.202         | 01/15/2021 | 13:35    |
| 8   | M1166-01DUP |                   | 1  | 50                  | 50                | 2.077                       | 3.195         | 01/15/2021 | 13:36    |
| 9   | M1166-01MS  | 0.5               | 1  | 50                  | 50                | 2.241                       | 3.448         | 01/15/2021 | 13:37    |
| 10  | M1166-01MSD | 0.5               | 1  | 50                  | 50                | 2.245                       | 3.454         | 01/15/2021 | 13:37    |
| 11  | M1166-01    |                   | 50 | 50                  | 50                | 0.476                       | 0.732         | 01/15/2021 | 14:02    |
| 12  | M1166-01DUP |                   | 50 | 50                  | 50                | 0.480                       | 0.738         | 01/15/2021 | 14:02    |
| 13  | M1166-01MS  | 0.5               | 50 | 50                  | 50                | 0.479                       | 0.737         | 01/15/2021 | 14:03    |
| 14  | M1166-01MSD | 0.5               | 50 | 50                  | 50                | 0.480                       | 0.738         | 01/15/2021 | 14:03    |
| 15  | CCV2        | 0.5               | 1  | 50                  | 50                | 0.335                       | 0.515         | 01/15/2021 | 14:04    |
| 16  | CCB2        |                   | 1  | 50                  | 50                | 0.000                       | 0.000         | 01/15/2021 | 14:04    |

LB112809  
WORKLIST(Hardcopy Internal Chain)

WorkList Name : OP-11521      WorkList ID : 145731      Department : Wet-Chemistry      Date : 01-15-2021 08:45:02

| Due Date   | Matrix | Sample    | Test             | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method     |
|------------|--------|-----------|------------------|--------------|----------|------------------|-----------------|--------------|------------|
| 01/16/2021 | Water  | M1166-01C | Phosphorus-Ortho | Cool 4 deg C | HOLL01   | F61              | EFFLUENT        | 01/14/2021   | SM4500-P E |

Date/Time 01/15/2021 13:05  
Received by: AM(wetchem)  
Relinquished by: JD (Cool Chem)

Date/Time 01/15/2021 14:10  
Received by: JD (Cool Chem)  
Relinquished by: AM(wet-chem)