

Analysis Date: 08/14/2020

QC BATCH ID: LB110555

ANALYST: jignesh

BOD Water: WP86290

SUPERVISOR: apatel

Starch: W2703

MANGANOUS SULFATE SOLUTION: W2520

Conc Sulfuric Acid: W2609

Alkaline Iodide Azide: W2472

POLYSEED: WP86292

Sodium Thiosulfate, 0.025N: WP84605

GGA: WP86291

NaOH, 0.25N: WP80974

Chlorine Strips: W2543

IncubatorID: INCUBATOR #3

pH Strips: W2716

Zero DO: WP85367

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 8.9                | 8.9        | 8.85    |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 8.9                  | 17.7               | 8.8        | 8.85    |

Meter Calibration1 : 8.85

Zero DO Reading1 : 0.04 mg/L ( $\leq 0.2$  Criteria)**After Incubation**

Meter Calibration2 : 8.85

Zero DO Reading2 : 0.02 mg/L ( $\leq 0.2$  Criteria)



QC BATCH ID: LB110555

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 18:15

TIME OUT: 11:30

DATE IN: 08/14/2020

DATE OUT: 08/19/2020

| Lab SampleID | Bottle No. | Check CL | Initial PH | Final PH | Temp °C | Sam Vol. (mL) | D.O.1 Initial | D.O.2 Final | Depletion | BOD Result (mg/L) | Avg Result (mg/L) | Comment     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB110555BL   | 1          | No       | 6.0        | N/A      | 22.80   | 300           | 8.85          | 8.85        | 0         | 0                 | 0                 |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.84          | 5.90        | 2.94      | 0.59              | 0.66              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.83          | 3.73        | 5.1       | 0.68              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.80          | 1.64        | 7.16      | 0.72              |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 8.81          | 3.76        | 5.05      | 219.5             | 219.5             |             |
| GGA          | 2          |          |            |          |         | 6             | 8.81          | 3.58        | 5.23      | 228.5             | 228.5             |             |
| GGA          | 3          |          |            |          |         | 6             | 8.81          | 3.67        | 5.14      | 224               | 224               |             |
| L3680-01     | 1          | No       | 10.7       | 7.2      | 22.10   | 0.05          | 8.84          | 5.14        | 3.7       | 18240             | 11545             | pH Adjusted |
| L3680-01     | 2          |          |            |          |         | 0.1           | 8.83          | 4.88        | 3.95      | 9870              |                   |             |
| L3680-01     | 3          |          |            |          |         | 0.2           | 8.82          | 3.81        | 5.01      | 6525              |                   |             |
| L3680-01     | 4          |          |            |          |         | 0.5           | 8.80          | 0.17        | -         | 0                 |                   |             |
| L3693-01     | 1          | No       | 7.78       | N/A      | 22.50   | 0.5           | 8.84          | 7.97        | -         | 0                 | 43.2              |             |
| L3693-01     | 2          |          |            |          |         | 1             | 8.83          | 7.71        | -         | 0                 |                   |             |
| L3693-01     | 3          |          |            |          |         | 2             | 8.82          | 7.59        | -         | 0                 |                   |             |
| L3693-01     | 4          |          |            |          |         | 5             | 8.82          | 7.12        | -         | 0                 |                   |             |
| L3693-01     | 5          |          |            |          |         | 10            | 8.81          | 6.71        | 2.1       | 43.2              |                   |             |
| L3693-01DUP  | 1          | No       | 7.78       | N/A      | 22.50   | 0.5           | 8.84          | 7.99        | -         | 0                 | 43.5              |             |
| L3693-01DUP  | 2          |          |            |          |         | 1             | 8.82          | 7.73        | -         | 0                 |                   |             |
| L3693-01DUP  | 3          |          |            |          |         | 2             | 8.82          | 7.61        | -         | 0                 |                   |             |
| L3693-01DUP  | 4          |          |            |          |         | 5             | 8.82          | 7.14        | -         | 0                 |                   |             |
| L3693-01DUP  | 5          |          |            |          |         | 10            | 8.80          | 6.69        | 2.11      | 43.5              |                   |             |
| L3693-05     | 1          | No       | 4.24       | 7.2      | 22.90   | 0.01          | 8.84          | 6.82        | 2.02      | 40800             | 27920             | pH Adjusted |
| L3693-05     | 2          |          |            |          |         | 0.05          | 8.83          | 3.48        | 5.35      | 28140             |                   |             |
| L3693-05     | 3          |          |            |          |         | 0.1           | 8.82          | 3.22        | 5.6       | 14820             |                   |             |
| L3693-05     | 4          |          |            |          |         | 0.5           | 8.81          | 0.14        | -         | 0                 |                   |             |
| L3693-05     | 5          |          |            |          |         | 1             | 8.80          | 0.11        | -         | 0                 |                   |             |
| L3706-02     | 1          | No       | 7.0        | N/A      | 22.50   | 0.5           | 8.84          | 6.97        | -         | 0                 | 1137              |             |
| L3706-02     | 2          |          |            |          |         | 1             | 8.84          | 4.39        | 4.45      | 1137              |                   |             |
| L3706-02     | 3          |          |            |          |         | 5             | 8.79          | 0.15        | -         | 0                 |                   |             |
| L3706-02     | 4          |          |            |          |         | 20            | 8.75          | 0.12        | -         | 0                 |                   |             |

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

LB110SSS

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod 13680      WorkList ID : 141495      Department : Wet-Chemistry      Date : 08-14-2020 17:38:09

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|----------|
| 08/15/2020 | Water  | L3680-01 | BOD5 | Cool 4 deg C | PSEG01   | K21              | DRUM-1-8        | 08/13/2020   | SM5210 B |
| 08/15/2020 | Water  | L3693-01 | BOD5 | Cool 4 deg C | HOLL01   | K22              | EFFLUENT        | 08/13/2020   | SM5210 B |
| 08/15/2020 | Water  | L3693-05 | BOD5 | Cool 4 deg C | HOLL01   | K22              | INFLUENT        | 08/13/2020   | SM5210 B |
| 08/16/2020 | Water  | L3706-02 | BOD5 | Cool 4 deg C | ARDM01   | J41              | EFF-VWW         | 08/14/2020   | SM5210 B |

Date/Time 08-14-2020 17:40  
 Received by: JP (wet-chem)  
 Relinquished by: AM (wet-chem)

Date/Time 08-14-2020 18:25  
 Received by: AM (wet-chem)  
 Relinquished by: JP (wet-chem)