

Analysis Date: 08/07/2020

QC BATCH ID: LB110426

ANALYST: JIGNESH

BOD Water: WP86089

SUPERVISOR: apatel

Starch: W2703

MANGANOUS SULFATE SOLUTION: W2520

Conc Sulfuric Acid: W2609

Alkaline Iodide Azide: W2472

POLYSEED: WP86091

Sodium Thiosulfate, 0.025N: WP84605

GGA: WP86090

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                  | 8.6                | 8.6        | 8.65    |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 8.6                  | 17.3               | 8.7        | 8.65    |

Meter Calibration1 : 8.65

Zero DO Reading1 : 0.02 mg/L (&lt;=0.2 Criteria)

**After Incubation**

Meter Calibration2 : 8.65

Zero DO Reading2 : 0.03 mg/L (&lt;=0.2 Criteria)



QC BATCH ID: LB110426

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:00

TIME OUT: 11:00

DATE IN: 08/07/2020

DATE OUT: 08/12/2020

| 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     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB110426BL   | 1          | No       | 6.0        | N/A      | 21.20   | 300           | 8.65          | 8.65        | 0         | 0                 | 0                 |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.59          | 3.46        | 5.13      | 1.03              | 0.85              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.58          | 2.49        | 6.09      | 0.81              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.53          | 1.47        | 7.06      | 0.71              |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 8.59          | 3.66        | 4.93      | 204               | 204               |             |
| GGA          | 2          |          |            |          |         | 6             | 8.59          | 3.21        | 5.38      | 226.5             | 226.5             |             |
| GGA          | 3          |          |            |          |         | 6             | 8.61          | 3.61        | 5         | 207.5             | 207.5             |             |
| L3603-01     | 1          | No       | 7.0        | N/A      | 20.10   | 5             | 8.58          | 6.89        | -         | 0                 | 46.35             |             |
| L3603-01     | 2          |          |            |          |         | 10            | 8.52          | 5.60        | 2.92      | 62.1              |                   |             |
| L3603-01     | 3          |          |            |          |         | 20            | 8.37          | 5.48        | 2.89      | 30.6              |                   |             |
| L3603-01     | 4          |          |            |          |         | 50            | 7.93          | 0.49        | -         | 0                 |                   |             |
| L3603-01DUP  | 1          | No       | 7.0        | N/A      | 20.10   | 5             | 8.58          | 6.90        | -         | 0                 | 45.98             |             |
| L3603-01DUP  | 2          |          |            |          |         | 10            | 8.52          | 5.62        | 2.9       | 61.5              |                   |             |
| L3603-01DUP  | 3          |          |            |          |         | 20            | 8.37          | 5.49        | 2.88      | 30.45             |                   |             |
| L3603-01DUP  | 4          |          |            |          |         | 50            | 7.93          | 0.51        | -         | 0                 |                   |             |
| L3603-02     | 1          | No       | 7.0        | N/A      | 20.10   | 5             | 8.57          | 7.47        | -         | 0                 | 49.13             |             |
| L3603-02     | 2          |          |            |          |         | 10            | 8.47          | 6.03        | 2.44      | 47.7              |                   |             |
| L3603-02     | 3          |          |            |          |         | 20            | 8.30          | 4.08        | 4.22      | 50.55             |                   |             |
| L3603-02     | 4          |          |            |          |         | 50            | 7.59          | 0.08        | -         | 0                 |                   |             |
| L3607-01     | 1          | No       | 10.38      | 7.2      | 24.40   | 5             | 8.64          | 8.57        | -         | 0                 |                   | pH Adjusted |
| L3607-01     | 2          |          |            |          |         | 20            | 8.63          | 8.41        | -         | 0                 |                   |             |
| L3607-01     | 3          |          |            |          |         | 50            | 8.61          | 8.34        | -         | 0                 |                   |             |
| L3607-01     | 4          |          |            |          |         | 150           | 8.35          | 8.18        | -         | 0                 |                   |             |

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

LB 110426

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod 13603      WorkList ID : 141239      Department : Wet-Chemistry      Date : 08-07-2020 08:16:21

| Due Date   | Matrix | Sample      | Test | Preservative | Customer | Storage Location | Customer Sample          | Collect Date | Method   |
|------------|--------|-------------|------|--------------|----------|------------------|--------------------------|--------------|----------|
| 08/08/2020 | Water  | L3603-01 -D | BOD5 | Cool 4 deg C | TULL01   | J31              | 001-WILLETS-PT-BLVD(AUG) | 08/06/2020   | SM5210 B |
| 08/08/2020 | Water  | L3603-02 -D | BOD5 | Cool 4 deg C | TULL01   | J31              | 002-35TH-AVE(AUG)        | 08/06/2020   | SM5210 B |
| 08/09/2020 | Water  | L3607-01    | BOD5 | Cool 4 deg C | PSEG01   | J21              | ES-TOTE-COMP             | 08/07/2020   | SM5210 B |

Date/Time 08/07/2020 14:10  
 Received by: JP (wet-chem)  
 Relinquished by: KS (wet-chem)

Date/Time 08/07/2020 16:30  
 Received by: KS (wet-chem)  
 Relinquished by: JP (wet-chem)