



## BOD5 LOG

Analysis Date: 11/19/2020

QC BATCH ID: LB112053

ANALYST: jignesh

BOD Water: WP88256

SUPERVISOR: apatel

Starch: W2703

MANGANOUS SULFATE SOLUTION: W2520

Conc Sulfuric Acid: W2609

Alkaline Iodide Azide: W2742

POLYSEED: WP88257

Sodium Thiosulfate, 0.025N: WP87313

GGA: WP88258

NaOH, 0.25N: WP86593

Chlorine Strips: W2543

IncubatorID: INCUBATOR #3

pH Strips: W2716

Zero DO: WP87426

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 8.5                | 8.5        | 8.6     |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 8.5                  | 17.2               | 8.7        | 8.6     |

Meter Calibration1 : 8.60

Zero DO Reading1 : 0.02 mg/L ( $\leq 0.2$  Criteria)After Incubation

Meter Calibration2 : 8.60

Zero DO Reading2 : 0.03 mg/L ( $\leq 0.2$  Criteria)



QC BATCH ID: LB112053

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 12:00

TIME OUT: 10:00

DATE IN: 11/19/2020

DATE OUT: 11/24/2020

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB112053BL   | 1          | No       | 6.0        | N/A      | 21.20   | 300           | 8.60          | 8.60        | 0         | 0                 | 0                 |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.58          | 4.63        | 3.95      | 0.79              | 0.72              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.58          | 3.64        | 4.94      | 0.66              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.54          | 1.54        | 7         | 0.7               |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.51          | 3.76        | 4.75      | 201.5             | 201.5             |         |
| GGA          | 2          |          |            |          |         | 6             | 8.52          | 3.99        | 4.53      | 190.5             | 190.5             |         |
| GGA          | 3          |          |            |          |         | 6             | 8.52          | 3.59        | 4.93      | 210.5             | 210.5             |         |
| L4775-01     | 1          | No       | 6.4        | N/A      | 17.20   | 5             | 8.55          | 7.92        | -         | 0                 |                   |         |
| L4775-01     | 2          |          |            |          |         | 20            | 8.54          | 7.80        | -         | 0                 |                   |         |
| L4775-01     | 3          |          |            |          |         | 50            | 8.53          | 7.62        | -         | 0                 |                   |         |
| L4775-01     | 4          |          |            |          |         | 150           | 8.52          | 7.52        | -         | 0                 |                   |         |
| L4775-01DUP  | 1          | No       | 6.4        | N/A      | 17.20   | 5             | 8.53          | 7.94        | -         | 0                 |                   |         |
| L4775-01DUP  | 2          |          |            |          |         | 20            | 8.52          | 7.82        | -         | 0                 |                   |         |
| L4775-01DUP  | 3          |          |            |          |         | 50            | 8.51          | 7.63        | -         | 0                 |                   |         |
| L4775-01DUP  | 4          |          |            |          |         | 150           | 8.50          | 7.53        | -         | 0                 |                   |         |
| L4796-02     | 1          | No       | 6.4        | N/A      | 18.20   | 0.5           | 8.55          | 7.21        | -         | 0                 | 215               |         |
| L4796-02     | 2          |          |            |          |         | 1             | 8.53          | 7.11        | -         | 0                 |                   |         |
| L4796-02     | 3          |          |            |          |         | 2             | 8.52          | 6.92        | -         | 0                 |                   |         |
| L4796-02     | 4          |          |            |          |         | 3             | 8.51          | 5.64        | 2.87      | 215               |                   |         |
| L4801-01     | 1          | No       | 6.4        | N/A      | 18.20   | 0.5           | 8.53          | 6.22        | 2.31      | 954               | 868.5             |         |
| L4801-01     | 2          |          |            |          |         | 1             | 8.52          | 5.19        | 3.33      | 783               |                   |         |
| L4801-01     | 3          |          |            |          |         | 5             | 8.47          | 0.21        | -         | 0                 |                   |         |
| L4801-01     | 4          |          |            |          |         | 20            | 8.23          | 0.18        | -         | 0                 |                   |         |

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

LB 11 2053

## WORKLIST(Hardcopy Internal Chain)

WorkList Name: BOD111920

WorkList ID: 144316

Department: Wet-Chemistry

Date: 11-19-2020 10:15:20

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|----------|
| 11/19/2020 | Water  | L4775-01 | BOD5 | Cool 4 deg C | PSEG03   | H12              | FMI-124         | 11/17/2020   | SM5210 B |
| 11/20/2020 | Water  | L4796-02 | BOD5 | Cool 4 deg C | ARAM01   | H23              | COMP            | 11/18/2020   | SM5210 B |
| 11/20/2020 | Water  | L4801-01 | BOD5 | Cool 4 deg C | ARDM01   | H51              | EFF-VWV         | 11/18/2020   | SM5210 B |

Date/Time 11/19/20 10:20  
Received by: KS (Webster)  
Relinquished by: KS (Webster)

Date/Time 11/19/20 15:00  
Received by: KS (Webster)  
Relinquished by: KS (Webster)