

**BOD5 LOG****ANALYST:** ketankumar**SUPERVISOR:** apatel**Analysis Date:** 08/19/2021**QC BATCH ID:** LB115943**BOD Water:** WP92599**MANGANOUS SULFATE SOLUTION:** W2767**Starch:** W2703**Alkaline Iodide Azide:** W2742**Sulfuric acid, 1N:** WP88863**Sodium Thiosulfate, 0.025N:** W2843**POLYSEED:** WP92601**NaOH, 1N:** WP91991**GGA:** WP92600**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2543**GuageID:** 0511064**pH Strips:** W2716**Zero DO:** WP92454

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 8.4                | 8.4        | 8.35    |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 8.4                  | 16.7               | 8.3        | 8.35    |

Meter Calibration1: 8.32

Zero DO Reading1: 0.09 mg/L (&lt;=0.2 Criteria)

Barometric Pressure1: 760 mmHg

Winkler titrated BOD fluid DO reading1: 8.29

**After Incubation**

Meter Calibration2: 8.49

Zero DO Reading2: 0.10 mg/L (&lt;=0.2 Criteria)

Barometric Pressure2: 760 mmHg

Winkler titrated BOD fluid DO reading2: 8.21



QC BATCH ID: LB115943

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 15:00

TIME OUT: 11:30

DATE IN: 08/19/2021

DATE OUT: 08/24/2021

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB115943BL   | 1          | No       | 6.0        | N/A      | 21.20   | 300           | 8.23          | 7.90        | 0.33      | 0.33              | 0.33              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.22          | 3.63        | 4.59      | 0.92              | 0.85              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.21          | 1.28        | 6.93      | 0.92              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.21          | 1.02        | 7.19      | 0.72              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.11          | 2.47        | 5.64      | 239.5             | 211.5             |         |
| GGA          | 2          |          |            |          |         | 6             | 8.11          | 2.95        | 5.16      | 215.5             |                   |         |
| GGA          | 3          |          |            |          |         | 6             | 8.09          | 3.65        | 4.44      | 179.5             |                   |         |
| M3461-02     | 1          | No       | 6.42       | N/A      | 18.20   | 0.5           | 8.14          | 6.12        | 2.02      | 702               | 550.38            |         |
| M3461-02     | 2          |          |            |          |         | 1             | 8.11          | 5.71        | 2.4       | 465               |                   |         |
| M3461-02     | 3          |          |            |          |         | 2             | 8.10          | 4.30        | 3.8       | 442.5             |                   |         |
| M3461-02     | 4          |          |            |          |         | 3             | 8.09          | 1.32        | 6.77      | 592               |                   |         |
| M3461-02DUP  | 1          | No       | 6.42       | N/A      | 18.20   | 0.5           | 8.12          | 6.10        | 2.02      | 702               | 550.38            |         |
| M3461-02DUP  | 2          |          |            |          |         | 1             | 8.10          | 5.70        | 2.4       | 465               |                   |         |
| M3461-02DUP  | 3          |          |            |          |         | 2             | 8.08          | 4.28        | 3.8       | 442.5             |                   |         |
| M3461-02DUP  | 4          |          |            |          |         | 3             | 8.07          | 1.30        | 6.77      | 592               |                   |         |
| M3475-01     | 1          | No       | 7.05       | N/A      | 24.80   | 5             | 8.06          | 6.72        | -         | 0                 | 33.72             |         |
| M3475-01     | 2          |          |            |          |         | 20            | 8.05          | 4.98        | 3.07      | 33.3              |                   |         |
| M3475-01     | 3          |          |            |          |         | 50            | 7.93          | 1.39        | 6.54      | 34.14             |                   |         |
| M3475-01     | 4          |          |            |          |         | 150           | 7.55          | 0.14        | -         | 0                 |                   |         |

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

# WORKLIST(Hardcopy Internal Chain)

LB115943

WorkList Name : BOD81921      WorkList ID : 151602      Department : Wet-Chemistry      Date : 08-19-2021 13:36:01

| Due Date   | Matrix | Sample   | Test   | Preservative | Customer | Raw Sample Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|--------|--------------|----------|-----------------------------|-----------------|--------------|----------|
| 08/20/2021 | Water  | M3461-02 | A BOD5 | Cool 4 deg C | ARAM01   | L11                         | COMP            | 08/18/2021   | SM5210 B |
| 08/20/2021 | Water  | M3475-01 | B BOD5 | Cool 4 deg C | PSEG03   | E11                         | N5868-N34145    | 08/18/2021   | SM5210 B |

Date/Time 08/19/21 13:45  
 Raw Sample Received by: KS (wc)  
 Raw Sample Relinquished by: JA (wc)

Date/Time 08/19/21 15:05  
 Raw Sample Received by: JA (wc)  
 Raw Sample Relinquished by: KS (wc)