



## BOD5 LOG

ANALYST: jignesh

SUPERVISOR: Iwona

QC BATCH ID: LB129173

Analysis Date: 01/18/2024

BOD Water: WP106137

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP106139

NaOH, 1N: WP103989

GGA: WP106138

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP106040

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 18.7               | 18.7       | 8.7     |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 18.7                 | 17.4               | -1.3       | 8.7     |

Meter Calibration1: 8.90

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.70

## After Incubation

Meter Calibration2: 9.46

Zero DO Reading2: 0.09 mg/L (&lt;=0.2 Criteria)

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB129173

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 12:35

TIME OUT: 11:15

DATE IN: 01/18/2024

DATE OUT: 01/23/2024

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB129173BL   | 1          | No       | 8.90       | N/A      | 20.30   | 300           | 8.88          | 8.67        | 0.21      | 0.21              | 0.21              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.91          | 5.35        | 3.56      | 0.71              | 0.6               |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.66          | 4.49        | 4.17      | 0.56              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.52          | 3.27        | 5.25      | 0.53              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.82          | 4.67        | 4.15      | 177.5             | 193               |         |
| GGA          | 2          |          |            |          |         | 6             | 8.88          | 4.32        | 4.56      | 198               |                   |         |
| GGA          | 3          |          |            |          |         | 6             | 8.86          | 4.19        | 4.67      | 203.5             |                   |         |
| P1162-01     | 1          | No       | 7.96       | N/A      | 20.10   | 5             | 8.87          | 8.42        | -         | 0                 | 3.3               |         |
| P1162-01     | 2          |          |            |          |         | 20            | 8.85          | 8.12        | -         | 0                 |                   |         |
| P1162-01     | 3          |          |            |          |         | 50            | 8.80          | 7.66        | -         | 0                 |                   |         |
| P1162-01     | 4          |          |            |          |         | 150           | 8.78          | 6.53        | 2.25      | 3.3               |                   |         |
| P1162-01DUP  | 1          | No       | 7.96       | N/A      | 20.10   | 5             | 8.86          | 8.44        | -         | 0                 | 3.22              |         |
| P1162-01DUP  | 2          |          |            |          |         | 20            | 8.84          | 8.14        | -         | 0                 |                   |         |
| P1162-01DUP  | 3          |          |            |          |         | 50            | 8.79          | 7.70        | -         | 0                 |                   |         |
| P1162-01DUP  | 4          |          |            |          |         | 150           | 8.76          | 6.55        | 2.21      | 3.22              |                   |         |
| P1168-02     | 1          | No       | 6.10       | N/A      | 20.20   | 0.5           | 8.86          | 6.21        | 2.65      | 1230              | 1216.5            |         |
| P1168-02     | 2          |          |            |          |         | 1             | 8.84          | 4.23        | 4.61      | 1203              |                   |         |
| P1168-02     | 3          |          |            |          |         | 2             | 8.83          | 0.17        | -         | 0                 |                   |         |
| P1168-02     | 4          |          |            |          |         | 3             | 8.80          | 0.15        | -         | 0                 |                   |         |

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

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

✓ 129173

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod p1168

WorkList ID : 177237

Department : Wet-Chemistry

Date : 01-18-2024 10:42:50

| Sample   | Customer Sample    | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|--------------------|--------|------|--------------|----------|-----------------------------|--------------|----------|
| P1162-01 | WEEKLY-OUTFALL-002 | Water  | BOD5 | Cool 4 deg C | INFR01   | D11                         | 01/17/2024   | SM5210 B |
| P1168-02 | COMP               | Water  | BOD5 | Cool 4 deg C | ARAM01   | D11                         | 01/17/2024   | SM5210 B |

Date/Time 01-18-24 10:55  
Raw Sample Received by: JG (OC)  
Raw Sample Relinquished by: JG SP

Date/Time 01-18-24 13:30  
Raw Sample Received by: JG SP  
Raw Sample Relinquished by: JG (OC)