

# BOD5 LOG

ANALYST: rubin  
 On:7/30/2025 1:52:50 PM  
 Inst Id :DO METER  
 LB :LB136624

SUPERVISOR: Iwona

QC BATCH ID: LB136624

Analysis Date: 07/25/2025

BOD Water: WP114087

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP114089

NaOH, 1N: WP113878

GGA: WP114088

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP114055

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 10.01              | 10.01      | 10.01   |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 10.03                | 20.04              | 10.01      | 10.01   |

Meter Calibration1: 8.30

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 10.10

## After Incubation

Meter Calibration2: 9.11

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136624

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:00

TIME OUT: 11:00

DATE IN: 07/25/2025

DATE OUT: 07/30/2025

| 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     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB136624BL   | 1          | No       | 6.67       | N/A      | 20.90   | 300           | 10.10         | 10.08       | 0.02      | 0.02              | 0.02              |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 10.06         | 6.84        | 3.22      | 0.64              | 0.67              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 10.04         | 4.85        | 5.19      | 0.69              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 10.02         | 3.37        | 6.65      | 0.67              |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 10.07         | 5.21        | 4.86      | 209.5             | 214.83            |             |
| GGA          | 2          |          |            |          |         | 6             | 10.05         | 5.06        | 4.99      | 216               |                   |             |
| GGA          | 3          |          |            |          |         | 6             | 10.05         | 5.00        | 5.05      | 219               |                   |             |
| Q2698-01     | 1          | No       | 7.90       | 6.82     | 20.40   | 1             | 10.05         | 8.98        | -         | 0                 | 5460              | pH Adjusted |
| Q2698-01     | 2          |          |            |          |         | 5             | 10.01         | 8.41        | -         | 0                 |                   |             |
| Q2698-01     | 3          |          |            |          |         | 10            | 9.97          | 7.48        | 2.49      | 5460              |                   |             |
| Q2698-01     | 4          |          |            |          |         | 50            | 9.92          | 0.60        | -         | 0                 |                   |             |
| Q2698-01     | 5          |          |            |          |         | 100           | 9.67          | 0.34        | -         | 0                 |                   |             |
| Q2698-01DUP  | 1          | No       | 7.90       | 6.82     | 20.40   | 1             | 10.05         | 8.74        | -         | 0                 | 5670              | pH Adjusted |
| Q2698-01DUP  | 2          |          |            |          |         | 5             | 10.02         | 8.30        | -         | 0                 |                   |             |
| Q2698-01DUP  | 3          |          |            |          |         | 10            | 9.98          | 7.42        | 2.56      | 5670              |                   |             |
| Q2698-01DUP  | 4          |          |            |          |         | 50            | 9.92          | 0.54        | -         | 0                 |                   |             |
| Q2698-01DUP  | 5          |          |            |          |         | 100           | 9.68          | 0.30        | -         | 0                 |                   |             |
| Q2698-05     | 1          | No       | 4.53       | 6.99     | 20.60   | 1             | 10.06         | 9.03        | -         | 0                 | 6390              | pH Adjusted |
| Q2698-05     | 2          |          |            |          |         | 5             | 10.01         | 8.13        | -         | 0                 |                   |             |
| Q2698-05     | 3          |          |            |          |         | 10            | 9.92          | 7.12        | 2.8       | 6390              |                   |             |
| Q2698-05     | 4          |          |            |          |         | 50            | 9.85          | 0.32        | -         | 0                 |                   |             |
| Q2698-05     | 5          |          |            |          |         | 100           | 9.71          | 0.22        | -         | 0                 |                   |             |

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

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

# WORKLIST(Hardcopy Internal Chain)

6136624

WorkList Name : BOD5-07-25      WorkList ID : 190965      Department : Wet-Chemistry      Date : 07-25-2025 12:27:43

| Sample   | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|-----------------|--------|------|--------------|----------|-----------------------------|--------------|----------|
| Q2698-01 | EFFLUENT        | Water  | BOD5 | Cool 4 deg C | HOLL01   | D21                         | 07/25/2025   | SM5210 B |
| Q2698-05 | INFLUENT        | Water  | BOD5 | Cool 4 deg C | HOLL01   | D21                         | 07/25/2025   | SM5210 B |

Date/Time 07/25/2025 14.20  
 Raw Sample Received by: RHCW03  
 Raw Sample Relinquished by: RHCW03

Date/Time 07/25/2025 16.10  
 Raw Sample Received by: RHCW01  
 Raw Sample Relinquished by: RHCW01