

# BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/12/2025

QC BATCH ID: LB135002

BOD Water: WP112274

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP112276

GGA: WP112275

Chlorine Strips: W3155

pH Strips: W3140

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP112277

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 9.4                | 9.4        | 9.4     |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 9.7                  | 19.1               | 9.4        | 9.4     |

Meter Calibration1: 9.14

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

## After Incubation

Meter Calibration2: 8.26

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB135002

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 15:45

TIME OUT: 14:15

DATE IN: 03/12/2025

DATE OUT: 03/17/2025

| 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     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB135002BL   | 1          | No       | 6.64       | N/A      | 20.90   | 300           | 9.45          | 9.43        | 0.02      | 0.02              | 0.02              |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 9.39          | 4.93        | 4.46      | 0.89              | 0.77              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 9.34          | 3.50        | 5.84      | 0.78              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 9.31          | 2.89        | 6.42      | 0.64              |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 9.43          | 4.96        | 4.47      | 185               | 196.67            |             |
| GGA          | 2          |          |            |          |         | 6             | 9.43          | 4.70        | 4.73      | 198               |                   |             |
| GGA          | 3          |          |            |          |         | 6             | 9.41          | 4.50        | 4.91      | 207               |                   |             |
| Q1505-03     | 1          | No       | 2.63       | 7.47     | 20.80   | 1             | 9.45          | 7.97        | -         | 0                 | 79.8              | pH Adjusted |
| Q1505-03     | 2          |          |            |          |         | 5             | 9.43          | 7.50        | -         | 0                 |                   |             |
| Q1505-03     | 3          |          |            |          |         | 20            | 9.41          | 3.32        | 6.09      | 79.8              |                   |             |
| Q1505-03     | 4          |          |            |          |         | 50            | 9.39          | 0.13        | -         | 0                 |                   |             |
| Q1505-03     | 5          |          |            |          |         | 100           | 9.35          | 0.08        | -         | 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)

6135002

WorkList Name : bod5-3-12

WorkList ID : 188230

Department : Wet-Chemistry

Date : 03-12-2025 13:41:46

| Sample   | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|-----------------|--------|------|--------------|----------|-----------------------------|--------------|----------|
| Q1505-03 | PT-DEM-WP       | Water  | BOD5 | Cool 4 deg C | ALLI03   | QA 01                       | 03/03/2025   | SM5210 B |

Date/Time 03/12/2025 13:50  
Raw Sample Received by: RM (WC)  
Raw Sample Relinquished by: SJ (QA0)

Date/Time 11/4  
Raw Sample Received by: 11  
Raw Sample Relinquished by: 11