

# BOD5 LOG

**ANALYST:** rubina

**SUPERVISOR:** Iwona

**Analysis Date:** 10/03/2025

**QC BATCH ID:** LB137423

**BOD Water:** WP115039

**Starch:** W3149

**Sulfuric acid, 1N:** WP112832

**POLYSEED:** WP115041

**GGA:** WP115040

**Chlorine Strips:** W3155

**pH Strips:** W3215

**MANGANOUS SULFATE SOLUTION:** W3103

**Alkaline Iodide Azide:** W3109

**Sodium Thiosulfate, 0.025N:** W3248

**NaOH, 1N:** WP113878

**IncubatorID:** INCUBATOR #3

**GuageID:** 0511064

**Zero DO:** WP114920

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 9.7                | 9.7        | 9.7     |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 9.9                  | 19.6               | 9.7        | 9.7     |

Meter Calibration1: 8.97

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.79

## After Incubation

Meter Calibration2: 8.62

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB137423

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:00

TIME OUT: 13:00

DATE IN: 10/03/2025

DATE OUT: 10/08/2025

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB137423BL   | 1          | No       | 9.63       | N/A      | 20.80   | 300           | 9.79          | 9.77        | 0.02      | 0.02              | 0.02              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 9.69          | 6.32        | 3.37      | 0.67              | 0.64              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 9.62          | 4.84        | 4.78      | 0.64              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 9.60          | 3.41        | 6.19      | 0.62              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 9.65          | 5.19        | 4.46      | 191               | 193.17            |         |
| GGA          | 2          |          |            |          |         | 6             | 9.64          | 5.08        | 4.56      | 196               |                   |         |
| GGA          | 3          |          |            |          |         | 6             | 9.64          | 5.15        | 4.49      | 192.5             |                   |         |
| Q3281-01     | 1          | No       | 6.97       | N/A      | 20.00   | 5             | 9.77          | 7.47        | 2.3       | 99.6              | 88.8              |         |
| Q3281-01     | 2          |          |            |          |         | 20            | 9.46          | 3.62        | 5.84      | 78                |                   |         |
| Q3281-01     | 3          |          |            |          |         | 50            | 9.21          | 0.29        | -         | 0                 |                   |         |
| Q3281-01     | 4          |          |            |          |         | 150           | 8.01          | 0.19        | -         | 0                 |                   |         |
| Q3281-01DUP  | 1          | No       | 6.97       | N/A      | 20.00   | 5             | 9.75          | 7.61        | 2.14      | 90                | 84.53             |         |
| Q3281-01DUP  | 2          |          |            |          |         | 20            | 9.46          | 3.55        | 5.91      | 79.05             |                   |         |
| Q3281-01DUP  | 3          |          |            |          |         | 50            | 9.22          | 0.33        | -         | 0                 |                   |         |
| Q3281-01DUP  | 4          |          |            |          |         | 150           | 8.00          | 0.21        | -         | 0                 |                   |         |
| Q3281-02     | 1          | No       | 6.99       | N/A      | 20.00   | 5             | 9.75          | 7.79        | -         | 0                 | 51.98             |         |
| Q3281-02     | 2          |          |            |          |         | 20            | 9.65          | 5.06        | 4.59      | 59.25             |                   |         |
| Q3281-02     | 3          |          |            |          |         | 50            | 9.17          | 1.08        | 8.09      | 44.7              |                   |         |
| Q3281-02     | 4          |          |            |          |         | 150           | 7.89          | 0.17        | -         | 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)

6137423

WorkList Name : BOD5-10-03

WorkList ID : 192280

Department : Wet-Chemistry

Date : 10-03-2025 14:52:10

| Sample   | Customer Sample          | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|--------------------------|--------|------|--------------|----------|-----------------------------|--------------|----------|
| Q3281-01 | 001-WILLETS-PT-BLVD(OCT) | Water  | BOD5 | Cool 4 deg C | TULL01   | D41                         | 10/02/2025   | SM5210 B |
| Q3281-02 | 002-35TH-AVE(OCT)        | Water  | BOD5 | Cool 4 deg C | TULL01   | D41                         | 10/02/2025   | SM5210 B |

Date/Time10/03/202515:00

Raw Sample Received by: RPL CWCJ

Raw Sample Relinquished by: M. HELL

Date/Time10/03/202517:10

Raw Sample Received by: RPL CWCJ

Raw Sample Relinquished by: RPL CWCJ