Reviewed By:Iwona
On:12/9/2025 1:13:04 PM
Inst Id :DO METER
LB :LB138103

# BOD5 LOG

**ANALYST:** rubir
**SUPERVISOR:** Iwona

**QC BATCH ID:** LB138103
**Analysis Date:** 12/04/2025
**BOD Water:** WP115912
**MANGANOUS SULFATE SOLUTION:** W3103
**Starch:** W3149
**Alkaline Iodide Azide:** W3109
**Sulfuric acid, 1N:** WP115342
**Sodium Thiosulfate, 0.025N:** W3105
**POLYSEED:** WP115914
**NaOH, 1N:** WP113878
**GGA:** WP115913
**IncubatorID:** INCUBATOR #3
**Chlorine Strips:** W3155
**GuageID:** 0511064
**pH Strips:** W3241
**Zero DO:** WP115915

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading(ML) | Final Reading(ML) | Difference | Average |
|---|---|---|---|---|---|---|---|
| WINKLER 1 | WINKLER 1 | 1 | 300 | 0.0 | 10.00 | 10 | 10 |
| WINKLER 2 | WINKLER 2 | 2 | 300 | 10.2 | 20.2 | 10 | 10 |

Meter Calibration1: 9.42 Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 10.09

**After Incubation**

Meter Calibration2: 9.35 Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

Alliance TECHNICAL GROUP

**QC BATCH ID:** LB138103

**INCUBATOR TEMP IN(C):** 20.1

**INCUBATOR TEMP OUT(C):** 19.8

**TIME IN:** 11:25

**TIME OUT:** 09:25

**DATE IN:** 12/04/2025

**DATE OUT:** 12/09/2025

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LB138103BL | 1 | No | 6.69 | N/A | 20.90 | 300 | 10.09 | 10.07 | 0.02 | 0.02 | 0.02 | |
| POLYSEED | 1 | | | | | 10 | 10.04 | 6.47 | 3.57 | 0.71 | 0.7 | |
| POLYSEED | 2 | | | | | 15 | 10.01 | 4.79 | 5.22 | 0.7 | | |
| POLYSEED | 3 | | | | | 20 | 9.96 | 3.07 | 6.89 | 0.69 | | |
| GGA | 1 | | | | | 6 | 10.05 | 5.07 | 4.98 | 214 | 216.5 | |
| GGA | 2 | | | | | 6 | 10.04 | 4.93 | 5.11 | 220.5 | | |
| GGA | 3 | | | | | 6 | 10.05 | 5.05 | 5 | 215 | | |
| Q3760-01 | 1 | No | 6.70 | N/A | 20.10 | 5 | 10.06 | 5.91 | 4.15 | 207 | 207 | |
| Q3760-01 | 2 | | | | | 20 | 10.00 | 0.90 | - | 0 | | |
| Q3760-01 | 3 | | | | | 50 | 9.44 | 0.22 | - | 0 | | |
| Q3760-01 | 4 | | | | | 150 | 6.44 | 0.20 | - | 0 | | |
| Q3760-02 | 1 | No | 6.75 | N/A | 20.00 | 5 | 10.04 | 4.51 | 5.53 | 289.8 | 289.8 | |
| Q3760-02 | 2 | | | | | 20 | 9.98 | 0.38 | - | 0 | | |
| Q3760-02 | 3 | | | | | 50 | 9.74 | 0.20 | - | 0 | | |
| Q3760-02 | 4 | | | | | 150 | 6.27 | 0.17 | - | 0 | | |
| Q3771-02 | 1 | No | 6.82 | N/A | 20.00 | 5 | 10.05 | 8.24 | - | 0 | 87.4 | |
| Q3771-02 | 2 | | | | | 20 | 10.02 | 8.05 | - | 0 | | |
| Q3771-02 | 3 | | | | | 50 | 9.98 | 7.73 | 2.25 | 93 | | |
| Q3771-02 | 4 | | | | | 150 | 9.95 | 5.16 | 4.79 | 81.8 | | |
| Q3771-02DUP | 1 | No | 6.82 | N/A | 20.00 | 5 | 10.06 | 8.57 | - | 0 | 86 | |
| Q3771-02DUP | 2 | | | | | 20 | 10.00 | 8.03 | - | 0 | | |
| Q3771-02DUP | 3 | | | | | 50 | 9.97 | 7.86 | 2.11 | 84.6 | | |
| Q3771-02DUP | 4 | | | | | 150 | 9.93 | 4.86 | 5.07 | 87.4 | | |
| Q3772-01 | 1 | No | 5.50 | 7.39 | 20.00 | 5 | 10.06 | 7.51 | 2.55 | 11100 | 7109 | pH Adjuste |
| Q3772-01 | 2 | | | | | 20 | 10.04 | 5.13 | 4.91 | 6315 | | |
| Q3772-01 | 3 | | | | | 50 | 9.97 | 2.75 | 7.22 | 3912 | | |
| Q3772-01 | 4 | | | | | 150 | 9.88 | 0.60 | - | 0 | | |
| Q3772-01 | 5 | | | | | 10 | 9.71 | 0.20 | - | 0 | | |
| Q3772-05 | 1 | No | 5.15 | 7.11 | 20.00 | 5 | 10.05 | 6.85 | 3.2 | 15000 | 8223 | pH Adjuste |
| Q3772-05 | 2 | | | | | 20 | 10.00 | 5.41 | 4.59 | 5835 | | |
| Q3772-05 | 3 | | | | | 50 | 9.95 | 2.86 | 7.09 | 3834 | | |
| Q3772-05 | 4 | | | | | 150 | 9.82 | 0.67 | - | 0 | | |
| Q3772-05 | 5 | | | | | 10 | 9.74 | 0.30 | - | 0 | | |
| Q3774-01 | 1 | No | 7.30 | N/A | 20.20 | 5 | 10.05 | 8.06 | - | 0 | 35.23 | |
| Q3774-01 | 2 | | | | | 20 | 9.99 | 6.62 | 3.37 | 40.05 | | |
| Q3774-01 | 3 | | | | | 50 | 9.95 | 4.18 | 5.77 | 30.42 | | |
| Q3774-01 | 4 | | | | | 150 | 9.92 | 0.96 | - | 0 | | |
| Q3774-03 | 1 | No | 6.30 | 7.24 | 20.20 | 5 | 10.04 | 8.14 | - | 0 | 34.55 | pH Adjuste |
| Q3774-03 | 2 | | | | | 20 | 10.00 | 6.71 | 3.29 | 38.85 | | |
| Q3774-03 | 3 | | | | | 50 | 9.98 | 4.24 | 5.74 | 30.24 | | |
| Q3774-03 | 4 | | | | | 150 | 9.96 | 0.78 | - | 0 | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q3774-05 | 1 | No | 6.94 | N/A | 20.10 | 5 | 10.04 | 8.07 | - | 0 | 36.34 | |
| Q3774-05 | 2 | | | | | 20 | 9.96 | 6.55 | 3.41 | 40.65 | | |
| Q3774-05 | 3 | | | | | 50 | 9.90 | 3.86 | 6.04 | 32.04 | | |
| Q3774-05 | 4 | | | | | 150 | 9.87 | 0.74 | - | 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.**