



## CBOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB125067

Analysis Date: 04/20/2023

BOD Water: WP102070

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP100509

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP102072

NaOH, 1N: WP101216

GGA: WP102071

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W3006

Zero DO: WP102042

Nitrification Inhibitor: W2792

| 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     | 9.4                  | 18.8               | 9.4        | 9.4     |

Meter Calibration1: 8.84

Zero DO Reading1: 0.14 mg/L (&lt;=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

## After Incubation

Meter Calibration2: 8.98

Zero DO Reading2: 0.12 mg/L (&lt;=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB125067

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 14:30

TIME OUT: 12:30

DATE IN: 04/20/2023

DATE OUT: 04/25/2023

| 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     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB125067BL   | 1          | No       | 6.63       | N/A      | 20.40   | 300           | 9.46          | 9.45        | 0.01      | 0.01              | 0.01              |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 9.40          | 6.32        | 3.08      | 0.62              | 0.6               |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 9.37          | 4.92        | 4.45      | 0.59              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 9.10          | 3.32        | 5.78      | 0.58              |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 9.40          | 4.76        | 4.64      | 202               | 221               |             |
| GGA          | 2          |          |            |          |         | 6             | 9.39          | 4.42        | 4.97      | 218.5             |                   |             |
| GGA          | 3          |          |            |          |         | 6             | 9.37          | 3.92        | 5.45      | 242.5             |                   |             |
| O2415-01     | 1          | No       | 10.56      | 7.22     | 20.40   | 5             | 9.45          | 8.75        | -         | 0                 | 3.92              | pH Adjusted |
| O2415-01     | 2          |          |            |          |         | 20            | 9.37          | 7.67        | -         | 0                 |                   |             |
| O2415-01     | 3          |          |            |          |         | 50            | 9.26          | 7.57        | -         | 0                 |                   |             |
| O2415-01     | 4          |          |            |          |         | 150           | 8.62          | 6.06        | 2.56      | 3.92              |                   |             |
| O2415-01DUP  | 1          | No       | 10.56      | 7.22     | 20.40   | 5             | 9.44          | 8.74        | -         | 0                 | 3.88              | pH Adjusted |
| O2415-01DUP  | 2          |          |            |          |         | 20            | 9.38          | 7.65        | -         | 0                 |                   |             |
| O2415-01DUP  | 3          |          |            |          |         | 50            | 9.25          | 7.58        | -         | 0                 |                   |             |
| O2415-01DUP  | 4          |          |            |          |         | 150           | 8.61          | 6.07        | 2.54      | 3.88              |                   |             |

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.

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : cbod-4-20

WorkList ID : 169222

Department : Wet-Chemistry

Date : 04-20-2023 08:24:41

66125067

| Due Date | Matrix | Sample | Test | Preservative | Customer | Raw Sample Storage Location | Customer Sample | Collect Date | Method |
|----------|--------|--------|------|--------------|----------|-----------------------------|-----------------|--------------|--------|
|----------|--------|--------|------|--------------|----------|-----------------------------|-----------------|--------------|--------|

|            |       |          |       |              |        |     |          |            |          |
|------------|-------|----------|-------|--------------|--------|-----|----------|------------|----------|
| 04/21/2023 | Water | O2415-01 | CBOD5 | Cool 4 deg C | SOUN03 | M11 | SAMPLE-1 | 04/19/2023 | SM5210 B |
|------------|-------|----------|-------|--------------|--------|-----|----------|------------|----------|

Date/Time 04/20/2023 13:30  
 Raw Sample Received by: RYC  
 Raw Sample Relinquished by: JA C

Date/Time 04/20/2023 14:40  
 Raw Sample Received by: JA C  
 Raw Sample Relinquished by: RYC