



## CBOD5 LOG

ANALYST: jignesh

SUPERVISOR: Iwona

QC BATCH ID: LB122259

Analysis Date: 09/29/2022

BOD Water: WP99196

MANGANOUS SULFATE SOLUTION: W2767

Starch: W2766

Alkaline Iodide Azide: W2742

Sulfuric acid, 1N: WP94324

Sodium Thiosulfate, 0.025N: W2843

POLYSEED: WP99197

NaOH, 1N: WP97250

GGA: WP99199

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W2716

Zero DO: WP98094

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                  | 8.6                | 8.6        | 8.65    |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 8.6                  | 17.3               | 8.7        | 8.65    |

Meter Calibration1: 8.87

Zero DO Reading1: 0.04 mg/L ( $\leq 0.2$  Criteria)

Barometric Pressure1: 755 mmHg

Winkler titrated BOD fluid DO reading1: 8.86

## After Incubation

Meter Calibration2: 8.89

Zero DO Reading2: 0.07 mg/L ( $\leq 0.2$  Criteria)

Barometric Pressure2: 755 mmHg

Winkler titrated BOD fluid DO reading2: 8.67



QC BATCH ID: LB122259

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 13:30

TIME OUT: 13:30

DATE IN: 09/29/2022

DATE OUT: 10/04/2022

| 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     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB122259BL   | 1          | No       | 6.8        | N/A      | 20.10   | 300           | 8.84          | 8.71        | 0.13      | 0.13              | 0.13              |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.83          | 4.47        | 4.36      | 0.87              | 0.71              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.82          | 3.67        | 5.15      | 0.69              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.81          | 3.03        | 5.78      | 0.58              |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 8.81          | 3.96        | 4.85      | 207               | 195.33            |             |
| GGA          | 2          |          |            |          |         | 6             | 8.76          | 4.22        | 4.54      | 191.5             |                   |             |
| GGA          | 3          |          |            |          |         | 6             | 8.75          | 4.29        | 4.46      | 187.5             |                   |             |
| N4788-03     | 1          | No       | 3.00       | 6.74     | 20.20   | 1             | 8.83          | 8.05        | -         | 0                 | 70.5              | pH Adjusted |
| N4788-03     | 2          |          |            |          |         | 5             | 8.79          | 6.94        | -         | 0                 |                   |             |
| N4788-03     | 3          |          |            |          |         | 20            | 8.78          | 3.37        | 5.41      | 70.5              |                   |             |
| N4788-03     | 4          |          |            |          |         | 50            | 8.76          | 0.21        | -         | 0                 |                   |             |
| N4788-03     | 5          |          |            |          |         | 100           | 8.73          | 0.16        | -         | 0                 |                   |             |

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

LB 122059

WORKLIST(Hardcopy Internal Chain)

|                           |        |                      |       |                            |          |                             |                 |              |          |
|---------------------------|--------|----------------------|-------|----------------------------|----------|-----------------------------|-----------------|--------------|----------|
| WorkList Name : CBOD-0929 |        | WorkList ID : 163626 |       | Department : Wet-Chemistry |          | Date : 09-29-2022 09:16:02  |                 |              |          |
| Due Date                  | Matrix | Sample               | Test  | Preservative               | Customer | Raw Sample Storage Location | Customer Sample | Collect Date | Method   |
| 09/21/2022                | Water  | N4788-03             | CBOD5 | Cool 4 deg C               | CHEM02   | QA Of                       | PT-DEM-WP       | 09/19/2022   | SM5210 B |

Date/Time 9/29/2022 10:30  
Raw Sample Received by: SJ(WC)  
Raw Sample Relinquished by: CP(SM)

Date/Time 9/29/2022 13:30  
Raw Sample Received by: CP(SM)  
Raw Sample Relinquished by: SJ(WC)