



## BOD5 LOG

ANALYST: Alexander

SUPERVISOR: apatel

Analysis Date: 01/08/2021

QC BATCH ID: LB112702

BOD Water: WP88985

Starch: W2703

Sulfuric acid, 1N: W2609

POLYSEED: WP88986

GGA: WP88987

Chlorine Strips: W2543

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: WP88904

NaOH, 0.25N: WP86593

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP88838

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 8.8                | 8.8        | 8.75    |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 8.8                  | 17.5               | 8.7        | 8.75    |

Meter Calibration1: 8.80

Barometric Pressure1: 760 mmHg

Zero DO Reading1: 0.12 mg/L (&lt;=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.62

**After Incubation**

Meter Calibration2: 8.60

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.13 mg/L (&lt;=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.57



QC BATCH ID: LB112702

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 17:05

TIME OUT: 11:20

DATE IN: 01/08/2021

DATE OUT: 01/13/2021

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB112702BL   | 1          | No       | 6.0        | N/A      | 20.20   | 300           | 8.62          | 8.52        | 0.1       | 0.1               | 0.1               |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.52          | 5.77        | 2.75      | 0.55              | 0.61              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.48          | 3.89        | 4.59      | 0.61              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.40          | 1.78        | 6.62      | 0.66              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.60          | 4.10        | 4.5       | 194.5             | 192.83            |         |
| GGA          | 2          |          |            |          |         | 6             | 8.60          | 3.94        | 4.66      | 202.5             |                   |         |
| GGA          | 3          |          |            |          |         | 6             | 8.61          | 4.37        | 4.24      | 181.5             |                   |         |
| M1062-03     | 1          | No       | 6.0        | N/A      | 19.20   | 1             | 8.62          | 7.92        | -         | 0                 | 113.63            |         |
| M1062-03     | 2          |          |            |          |         | 5             | 8.59          | 5.88        | 2.71      | 126               |                   |         |
| M1062-03     | 3          |          |            |          |         | 20            | 8.52          | 1.16        | 7.36      | 101.25            |                   |         |
| M1062-03     | 4          |          |            |          |         | 50            | 8.16          | 0.28        | -         | 0                 |                   |         |
| M1062-03DUP  | 1          | No       | 6.0        | N/A      | 19.20   | 1             | 8.61          | 7.80        | -         | 0                 | 113.18            |         |
| M1062-03DUP  | 2          |          |            |          |         | 5             | 8.58          | 5.90        | 2.68      | 124.2             |                   |         |
| M1062-03DUP  | 3          |          |            |          |         | 20            | 8.54          | 1.12        | 7.42      | 102.15            |                   |         |
| M1062-03DUP  | 4          |          |            |          |         | 50            | 8.20          | 0.33        | -         | 0                 |                   |         |

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

LB112702  
WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD2-10821      WorkList ID : 145511      Department : Wet-Chemistry      Date : 01-08-2021 08:58:45

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|----------|
| 01/10/2021 | Water  | M1062-03 | BOD5 | Cool 4 deg C | PSEG03   | M31              | HD-WD           | 01/08/2021   | SM5210 B |

Date/Time 1/08/2021 16:05  
 Received by: PM Wet-Chem  
 Relinquished by: PM Wet-Chem

Date/Time 1/08/2021 17:10  
 Received by: PM Wet-Chem  
 Relinquished by: PM Wet-Chem