



# BOD5 LOG

Analysis Date: 12/04/2019

QC BATCH ID: LB106596

ANALYST: Alexander

BOD Water: WP80273

SUPERVISOR: apatel

Starch: W2379

MANGANOUS SULFATE SOLUTION: W2520

Conc Sulfuric Acid: W2602

Alkaline Iodide Azide: W2472

POLYSEED: WP80275

Sodium Thiosulfate, 0.025N: WP80247

GGA: WP80274

NaOH, 0.25N: WP77359

Chlorine Strips: W2430

IncubatorID: Incubator-3

pH Strips: W2350

Zero DO: WP79815

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 9.0                | 9          | 9.1     |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 9.0                  | 18.2               | 9.2        | 9.1     |

Meter Calibration1 : 9.10

Zero DO Reading1 : 0.01 mg/L (<=0.2 Criteria)

## After Incubation

Meter Calibration2 : 9.10

Zero DO Reading2 : 0.00 mg/L (<=0.2 Criteria)



QC BATCH ID: LB106596

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.04

TIME IN: 16:50

TIME OUT: 11:00

DATE IN: 12/04/2019

DATE OUT: 12/09/2019

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB106596BL   | 1          | No       | 6.0        | N/A      | 18.10   | 300           | 9.10          | 9.10        | 0         | 0                 | 0                 |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 9.08          | 5.40        | 3.68      | 0.74              | 0.75              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 9.07          | 3.68        | 5.39      | 0.72              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 9.05          | 1.20        | 7.85      | 0.78              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 9.03          | 3.98        | 5.05      | 215               | 215               |         |
| GGA          | 2          |          |            |          |         | 6             | 9.05          | 4.10        | 4.95      | 210               | 210               |         |
| GGA          | 3          |          |            |          |         | 6             | 9.04          | 4.23        | 4.81      | 203               | 203               |         |
| K6129-02     | 1          | No       | 6.4        | N/A      | 18.00   | 5             | 9.10          | 8.30        | -         | 0                 |                   |         |
| K6129-02     | 2          |          |            |          |         | 20            | 9.09          | 8.48        | -         | 0                 |                   |         |
| K6129-02     | 3          |          |            |          |         | 50            | 9.08          | 8.88        | -         | 0                 |                   |         |
| K6129-02     | 4          |          |            |          |         | 150           | 9.08          | 9.05        | -         | 0                 |                   |         |
| K6131-02     | 1          | No       | 6.4        | N/A      | 18.10   | 0.5           | 9.08          | 7.34        | -         | 0                 | 506.67            |         |
| K6131-02     | 2          |          |            |          |         | 1             | 9.07          | 6.78        | 2.29      | 462               |                   |         |
| K6131-02     | 3          |          |            |          |         | 2             | 9.06          | 4.51        | 4.55      | 570               |                   |         |
| K6131-02     | 4          |          |            |          |         | 3             | 9.06          | 3.43        | 5.63      | 488               |                   |         |
| K6131-02DUP  | 1          | No       | 6.4        | N/A      | 18.10   | 0.5           | 9.09          | 7.35        | -         | 0                 | 506.33            |         |
| K6131-02DUP  | 2          |          |            |          |         | 1             | 9.08          | 6.79        | 2.29      | 462               |                   |         |
| K6131-02DUP  | 3          |          |            |          |         | 2             | 9.08          | 4.53        | 4.55      | 570               |                   |         |
| K6131-02DUP  | 4          |          |            |          |         | 3             | 9.07          | 3.45        | 5.62      | 487               |                   |         |

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

LB 106596

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod k6129      WorkList ID : 133874      Department : Wet-Chemistry      Date : 12-04-2019 14:36:08

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample   | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-------------------|--------------|----------|
| 12/05/2019 | Water  | K6129-02 | BOD5 | Cool 4 deg C | SHAW22   | I63              | OUTFALL001-191203 | 12/03/2019   | SM5210 B |
| 12/06/2019 | Water  | K6131-02 | BOD5 | Cool 4 deg C | ARAM01   | I63              | COMP              | 12/04/2019   | SM5210 B |

Date/Time 12-04-19 4:20  
Received by: Jn  
Relinquished by: ef

Date/Time 12-04-19 17:50  
Received by: ef  
Relinquished by: Jn