



## BOD Soluble LOG

Analysis Date: 08/24/2018

QC BATCH ID: LB97545

ANALYST: Indiana

BOD Water: WP67298

SUPERVISOR: apatel

Starch: W2277

MANGANOUS SULFATE SOLUTION: W2191

Conc Sulfuric Acid: W2310

Alkaline Iodide Azide: W2241

POLYSEED: WP67299

Sodium Thiosulfate, 0.025N: W2337

GGA: WP67230

NaOH, 0.25N: WP62942

Chlorine Strips: W2068

IncubatorID: Incubator-3

pH Strips: W2350

Zero DO: WP67238

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER1     | WINKLER 1 | 1          | 300     | 0.0                  | 8.4                | 8.4        | 8.45    |
| WINKLER2     | WINKLER 2 | 2          | 300     | 8.4                  | 16.9               | 8.5        |         |

Meter Calibration1 : 8.45

Zero DO Reading1 : 0.18 mg/L ( $\leq 0.2$  Criteria)

### After Incubation

Meter Calibration2 : 8.45

Zero DO Reading2 : 0.17 mg/L ( $\leq 0.2$  Criteria)



QC BATCH ID: LB97545

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.7

TIME IN: 12:36

TIME OUT: 11:20

DATE IN: 08/24/2018

DATE OUT: 08/29/2018

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB97545BL    | 1          | No       | 6.8        | N/A      | 18.7    | 300           | 8.44          | 8.42        | 0.02      | 0.02              | 0.02              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.44          | 5.16        | 3.28      | 0.66              | 0.7               |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.42          | 2.91        | 5.51      | 0.73              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.39          | 1.21        | 7.18      | 0.72              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.38          | 3.88        | 4.5       | 190               | 190               |         |
| GGA          | 2          |          |            |          |         | 6             | 8.37          | 4.10        | 4.27      | 178.5             | 178.5             |         |
| GGA          | 3          |          |            |          |         | 6             | 8.35          | 3.97        | 4.38      | 184               | 184               |         |
| J4640-01     | 1          | No       | 6.8        | N/A      | 18.7    | 2             | 8.30          | 6.50        | -         | 0                 | 55.29             |         |
| J4640-01     | 2          |          |            |          |         | 10            | 8.24          | 5.38        | 2.86      | 64.8              |                   |         |
| J4640-01     | 3          |          |            |          |         | 20            | 8.17          | 2.84        | 5.33      | 69.45             |                   |         |
| J4640-01     | 4          |          |            |          |         | 50            | 8.15          | 2.18        | 5.97      | 31.62             |                   |         |
| J4640-01DUP  | 1          | No       | 6.8        | N/A      | 18.7    | 2             | 8.28          | 6.52        | -         | 0                 | 55.19             |         |
| J4640-01DUP  | 2          |          |            |          |         | 10            | 8.23          | 5.39        | 2.84      | 64.2              |                   |         |
| J4640-01DUP  | 3          |          |            |          |         | 20            | 8.18          | 2.81        | 5.37      | 70.05             |                   |         |
| J4640-01DUP  | 4          |          |            |          |         | 50            | 8.12          | 2.20        | 5.92      | 31.32             |                   |         |

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

2B97545

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SBOD082418      WorkList ID : 116036      Date : 8/24/2018 11:25:31 AM

| Due Date   | Matrix | Sample   | Test        | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|-------------|--------------|----------|------------------|-----------------|--------------|----------|
| 08/24/2018 | Water  | J4640-01 | BOD Soluble | Cool 4 deg C | HOLL01   | E62              | EFFLUENT        | 08/22/2018   | SM5210 B |

Date/Time 08/24/18 11:20  
Received by: IB  
Relinquished by: IB

Date/Time 08/24/18 13:10  
Received by: IB  
Relinquished by: IB