

**BOD5 LOG****Analysis Date:** 09/07/2018**QC BATCH ID:** LB97807**ANALYST:** Indiana**BOD Water:** WP67733**SUPERVISOR:** apatel**Starch:** W2277**MANGANOUS SULFATE SOLUTION:** W2191**Conc Sulfuric Acid:** W2310**Alkaline Iodide Azide:** W2241**POLYSEED:** WP67734**Sodium Thiosulfate, 0.025N:** W2337**GGA:** WP67735**NaOH, 0.25N:** WP66873**Chlorine Strips:** W2068**IncubatorID:** Incubator-3**pH Strips:** W2350**Zero DO:** WP67560

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER1     | WINKLER 1 | 1          | 300     | 0.0                  | 8.5                | 8.5        | 8.55    |
| WINKLER2     | WINKLER 2 | 2          | 300     | 8.5                  | 17.1               | 8.6        |         |

Meter Calibration1 : 8.55Zero DO Reading1 : 0.18 mg/L (<=0.2 Criteria)**After Incubation**Meter Calibration2 : 8.55Zero DO Reading2 : 0.17 mg/L (<=0.2 Criteria)



QC BATCH ID: LB97807

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 17:30

TIME OUT: 11:40

DATE IN: 09/07/2018

DATE OUT: 09/12/2018

| 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     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB97807BL    | 1          | No       | 6.60       | N/A      | 19.9    | 300           | 8.54          | 8.52        | 0.02      | 0.02              | 0.02              |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 3.44          | 3.43        | -         | 0                 |                   |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 2.08          | 2.07        | -         | 0                 |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 1.62          | 1.61        | -         | 0                 |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 8.52          | 4.16        | 4.36      | 218               | 218               |             |
| GGA          | 2          |          |            |          |         | 6             | 8.50          | 4.05        | 4.45      | 222.5             | 222.5             |             |
| GGA          | 3          |          |            |          |         | 6             | 8.51          | 4.10        | 4.41      | 220.5             | 220.5             |             |
| J4831-01     | 1          | No       | 5.72       | 7.0      | 18.8    | 0.05          | 8.54          | 7.00        | -         | 0                 | 2376              | pH Adjusted |
| J4831-01     | 2          |          |            |          |         | 0.1           | 8.52          | 6.56        | -         | 0                 |                   |             |
| J4831-01     | 3          |          |            |          |         | 0.5           | 8.50          | 4.54        | 3.96      | 2376              |                   |             |
| J4831-01     | 4          |          |            |          |         | 2             | 8.49          | 0.51        | -         | 0                 |                   |             |
| J4831-01     | 5          |          |            |          |         | 10            | 8.44          | 0.47        | -         | 0                 |                   |             |
| J4831-01DUP  | 1          | No       | 5.72       | 7.0      | 18.8    | 0.05          | 8.53          | 7.03        | -         | 0                 | 2394              | pH Adjusted |
| J4831-01DUP  | 2          |          |            |          |         | 0.1           | 8.51          | 6.54        | -         | 0                 |                   |             |
| J4831-01DUP  | 3          |          |            |          |         | 0.5           | 8.50          | 4.51        | 3.99      | 2394              |                   |             |
| J4831-01DUP  | 4          |          |            |          |         | 2             | 8.48          | 0.52        | -         | 0                 |                   |             |
| J4831-01DUP  | 5          |          |            |          |         | 10            | 8.46          | 0.46        | -         | 0                 |                   |             |

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

2397807

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD090718

WorkList ID : 116515

Date : 9/7/2018 4:47:56 PM

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample    | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|--------------------|--------------|----------|
| 09/09/2018 | Water  | J4831-01 | BOD5 | Cool 4 deg C | MAJO01   | I11              | DRAIN-WATER-TANK-1 | 09/07/2018   | SM5210 B |

Date/Time

Received by:

Relinquished by:

09/07/18 16:52  
IB  
CP

Date/Time

Received by:

Relinquished by:

09/07/18 17:58  
CP  
IB