

**BOD5 LOG****Analysis Date:** 06/28/2018**QC BATCH ID:** LB96336**ANALYST:** Indiana**BOD Water:** WP65678**SUPERVISOR:** apatel**Starch:** W2121**MANGANOUS SULFATE SOLUTION:** W2191**Conc Sulfuric Acid:** W2151**Alkaline Iodide Azide:** W2241**POLYSEED:** WP65680**Sodium Thiosulfate, 0.025N:** W2276**GGA:** WP65679**NaOH, 0.25N:** WP62942**Chlorine Strips:** W2068**IncubatorID:** Incubator-3**pH Strips:** W2350**Zero DO:** WP65630

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER1     | WINKLER 1 | 1          | 300     | 0.0                  | 8.3                | 8.3        | 8.5     |
| WINKLER2     | WINKLER 2 | 2          | 300     | 8.3                  | 17.0               | 8.7        |         |

Meter Calibration1 : 8.5

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

Meter Calibration2 : 8.5

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



QC BATCH ID: LB96336

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 20.7

TIME IN: 16:20

TIME OUT: 11:00

DATE IN: 06/28/2018

DATE OUT: 07/03/2018

| 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     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB96336BL    | 1          | No       | 6.0        | N/A      | 19.9    | 300           | 8.48          | 8.47        | 0.01      | 0.01              | 0.01              |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.45          | 4.90        | 3.55      | 0.71              | 0.73              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.42          | 2.58        | 5.84      | 0.78              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.39          | 1.35        | 7.04      | 0.7               |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 8.39          | 3.82        | 4.57      | 192               | 192               |             |
| GGA          | 2          |          |            |          |         | 6             | 8.40          | 4.0         | 4.4       | 183.5             | 183.5             |             |
| GGA          | 3          |          |            |          |         | 6             | 8.29          | 3.91        | 4.38      | 182.5             | 182.5             |             |
| J3755-01     | 1          | No       | 5.98       | N/A      | 18.7    | 5             | 8.50          | 6.60        | -         | 0                 | 28.02             |             |
| J3755-01     | 2          |          |            |          |         | 20            | 8.49          | 5.84        | 2.65      | 28.8              |                   |             |
| J3755-01     | 3          |          |            |          |         | 50            | 8.37          | 3.10        | 5.27      | 27.24             |                   |             |
| J3755-01     | 4          |          |            |          |         | 150           | 8.01          | 0.85        | -         | 0                 |                   |             |
| J3755-01DUP  | 1          | No       | 5.98       | 7.0      | 18.7    | 5             | 8.51          | 6.66        | -         | 0                 | 27.8              | pH Adjusted |
| J3755-01DUP  | 2          |          |            |          |         | 20            | 8.48          | 5.86        | 2.62      | 28.35             |                   |             |
| J3755-01DUP  | 3          |          |            |          |         | 50            | 8.39          | 3.12        | 5.27      | 27.24             |                   |             |
| J3755-01DUP  | 4          |          |            |          |         | 150           | 8.03          | 0.87        | -         | 0                 |                   |             |
| J3764-01     | 1          | No       | 7.0        | N/A      | 18.8    | 0.5           | 8.49          | 7.43        | -         | 0                 | 82.95             |             |
| J3764-01     | 2          |          |            |          |         | 1             | 8.47          | 7.33        | -         | 0                 |                   |             |
| J3764-01     | 3          |          |            |          |         | 2             | 8.46          | 7.01        | -         | 0                 |                   |             |
| J3764-01     | 4          |          |            |          |         | 5             | 8.42          | 6.11        | 2.31      | 94.8              |                   |             |
| J3764-01     | 5          |          |            |          |         | 10            | 8.40          | 5.30        | 3.1       | 71.1              |                   |             |
| J3764-03     | 1          | No       | 5.63       | 7.0      | 18.7    | 0.01          | 8.49          | 7.20        | -         | 0                 | 7020              | pH Adjusted |
| J3764-03     | 2          |          |            |          |         | 0.05          | 8.47          | 7.01        | -         | 0                 |                   |             |
| J3764-03     | 3          |          |            |          |         | 0.1           | 8.46          | 5.39        | 3.07      | 7020              |                   |             |
| J3764-03     | 4          |          |            |          |         | 0.5           | 8.44          | 0.96        | -         | 0                 |                   |             |
| J3764-03     | 5          |          |            |          |         | 1             | 8.40          | 0.88        | -         | 0                 |                   |             |

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

LB96336

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD062818

WorkList ID : 113923

Date : 6/28/2018 1:10:00 PM

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample  | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|------------------|--------------|----------|
| 06/30/2018 | Water  | J3755-01 | BOD5 | Cool 4 deg C | PSEG01   | D62              | PS-BASELINEWATER | 06/28/2018   | SM5210 B |
| 06/29/2018 | Water  | J3764-01 | BOD5 | Cool 4 deg C | HOLL01   | I13              | EFFLUENT         | 06/27/2018   | SM5210 B |
| 06/29/2018 | Water  | J3764-03 | BOD5 | Cool 4 deg C | HOLL01   | I13              | INFLUENT         | 06/27/2018   | SM5210 B |

Date/Time

Received by:

Relinquished by:

06/28/18 15:30

JB

JB

Date/Time

Received by:

Relinquished by:

06/28/18 16:45

JB

JB