



## BOD5 LOG

Analysis Date: 06/06/2018

QC BATCH ID: LB95852

ANALYST: Indiana

BOD Water: WP65074

SUPERVISOR: apatel

Starch: W2121

MANGANOUS SULFATE SOLUTION: W2191

Conc Sulfuric Acid: W2151

Alkaline Iodide Azide: W2241

POLYSEED: WP65096

Sodium Thiosulfate, 0.025N: W2276

GGA: WP65097

NaOH, 0.25N: WP62942

Chlorine Strips: W2068

IncubatorID: Incubator-3

pH Strips: W2350

Zero DO: WP65098

| 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        | 8.5     |
| WINKLER2     | WINKLER 2 | 2          | 300     | 8.4                  | 17.0               | 8.6        |         |

Meter Calibration1 : 8.5

Zero DO Reading1 : 0.18 mg/L (&lt;=0.2 Criteria)

After Incubation

Meter Calibration2 : 8.5

Zero DO Reading2 : 0.17 mg/L (&lt;=0.2 Criteria)

QC BATCH ID: LB95852

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.6

TIME IN: 17:00

TIME OUT: 13:00

DATE IN: 06/06/2018

DATE OUT: 06/11/2018

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB95852BL    | 1          | No       | 6.0        | N/A      | 19.9    | 300           | 8.48          | 8.47        | 0.01      | 0.01              | 0.01              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.49          | 3.20        | 5.29      | 1.06              | 0.92              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.47          | 1.19        | 7.28      | 0.97              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.45          | 1.03        | 7.42      | 0.74              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.41          | 3.96        | 4.45      | 176.5             | 176.5             |         |
| GGA          | 2          |          |            |          |         | 6             | 8.38          | 4.05        | 4.33      | 170.5             | 170.5             |         |
| GGA          | 3          |          |            |          |         | 6             | 8.34          | 3.90        | 4.44      | 176               | 176               |         |
| J3342-02     | 1          | No       | 6.8        | N/A      | 18.7    | 5             | 8.40          | 8.12        | -         | 0                 |                   |         |
| J3342-02     | 2          |          |            |          |         | 20            | 8.39          | 7.90        | -         | 0                 |                   |         |
| J3342-02     | 3          |          |            |          |         | 50            | 8.36          | 7.46        | -         | 0                 |                   |         |
| J3342-02     | 4          |          |            |          |         | 150           | 8.19          | 7.15        | -         | 0                 |                   |         |
| J3342-02DUP  | 1          | No       | 6.8        | N/A      | 18.7    | 5             | 8.43          | 8.13        | -         | 0                 |                   |         |
| J3342-02DUP  | 2          |          |            |          |         | 20            | 8.40          | 7.92        | -         | 0                 |                   |         |
| J3342-02DUP  | 3          |          |            |          |         | 50            | 8.37          | 7.48        | -         | 0                 |                   |         |
| J3342-02DUP  | 4          |          |            |          |         | 150           | 8.17          | 7.17        | -         | 0                 |                   |         |
| J3348-01     | 1          | No       | 6.8        | N/A      | 18.8    | 5             | 8.32          | 4.88        | 3.44      | 151.2             | 148.5             |         |
| J3348-01     | 2          |          |            |          |         | 10            | 8.30          | 2.52        | 5.78      | 145.8             |                   |         |
| J3348-01     | 3          |          |            |          |         | 50            | 7.66          | 0.64        | -         | 0                 |                   |         |
| J3348-01     | 4          |          |            |          |         | 100           | 6.32          | 0.58        | -         | 0                 |                   |         |
| J3348-02     | 1          | No       | 6.8        | N/A      | 18.7    | 5             | 8.18          | 5.56        | 2.62      | 102               | 111.9             |         |
| J3348-02     | 2          |          |            |          |         | 10            | 8.15          | 3.17        | 4.98      | 121.8             |                   |         |
| J3348-02     | 3          |          |            |          |         | 50            | 7.74          | 0.57        | -         | 0                 |                   |         |
| J3348-02     | 4          |          |            |          |         | 100           | 6.76          | 0.52        | -         | 0                 |                   |         |

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

LB95852

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD060618

WorkList ID : 113037

Date : 6/6/2018 2:34:24 PM

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample          | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|--------------------------|--------------|----------|
| 06/07/2018 | Water  | J3342-02 | BOD5 | Cool 4 deg C | SHAW22   | P21              | OUTFALL001-180605        | 06/05/2018   | SM5210 B |
| 06/07/2018 | Water  | J3348-01 | BOD5 | Cool 4 deg C | TULL01   | P43              | 001M-WILLETS-PT-BLVD(JUN | 06/05/2018   | SM5210 B |
| 06/07/2018 | Water  | J3348-02 | BOD5 | Cool 4 deg C | TULL01   | P43              | 002M-35TH-AVE(JUNE)      | 06/05/2018   | SM5210 B |

Date/Time 06/06/18 14:00  
 Received by: IB  
 Relinquished by: CP

Date/Time 06/06/18 15:20  
 Received by: CP  
 Relinquished by: IB