



## BOD5 LOG

Analysis Date: 07/19/2018

QC BATCH ID: LB96762

ANALYST: Indiana

BOD Water: WP66299

SUPERVISOR: apatel

Starch: W2121

MANGANOUS SULFATE SOLUTION: W2191

Conc Sulfuric Acid: W2151

Alkaline Iodide Azide: W2241

POLYSEED: WP662301

Sodium Thiosulfate, 0.025N: W2337

GGA: WP662300

NaOH, 0.25N: WP62942

Chlorine Strips: W2068

IncubatorID: Incubator-3

pH Strips: W2350

Zero DO: WP66270

| 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 : 0.19 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: LB96762

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 15:50

TIME OUT: 11:00

DATE IN: 07/19/2018

DATE OUT: 07/24/2018

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB96762BL    | 1          | No       | 6.0        | N/A      | 19.9    | 300           | 8.48          | 8.47        | 0.01      | 0.01              | 0.01              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.47          | 5.02        | 3.45      | 0.69              | 0.67              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.37          | 3.11        | 5.26      | 0.7               |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.21          | 2.15        | 6.06      | 0.61              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.44          | 4.11        | 4.33      | 183               | 183               |         |
| GGA          | 2          |          |            |          |         | 6             | 8.42          | 4.02        | 4.4       | 186.5             | 186.5             |         |
| GGA          | 3          |          |            |          |         | 6             | 8.45          | 4.09        | 4.36      | 184.5             | 184.5             |         |
| J4043-03     | 1          | No       | 6.8        | N/A      | 18.9    | 5             | 8.40          | 6.23        | 2.17      | 90                | 53.39             |         |
| J4043-03     | 2          |          |            |          |         | 20            | 8.13          | 2.10        | 6.03      | 80.4              |                   |         |
| J4043-03     | 3          |          |            |          |         | 50            | 7.60          | 1.12        | 6.48      | 34.86             |                   |         |
| J4043-03     | 4          |          |            |          |         | 150           | 5.91          | 1.08        | 4.83      | 8.32              |                   |         |
| J4058-01     | 1          | No       | 6.4        | N/A      | 18.7    | 0.5           | 8.48          | 6.66        | -         | 0                 | 529.67            |         |
| J4058-01     | 2          |          |            |          |         | 1             | 8.44          | 5.83        | 2.61      | 582               |                   |         |
| J4058-01     | 3          |          |            |          |         | 2             | 8.17          | 4.06        | 4.11      | 516               |                   |         |
| J4058-01     | 4          |          |            |          |         | 3             | 7.92          | 2.34        | 5.58      | 491               |                   |         |
| J4058-01DUP  | 1          | No       | 6.4        | N/A      | 18.7    | 0.5           | 8.47          | 6.65        | -         | 0                 | 532.5             |         |
| J4058-01DUP  | 2          |          |            |          |         | 1             | 8.46          | 5.82        | 2.64      | 591               |                   |         |
| J4058-01DUP  | 3          |          |            |          |         | 2             | 8.15          | 4.05        | 4.1       | 514.5             |                   |         |
| J4058-01DUP  | 4          |          |            |          |         | 3             | 7.95          | 2.36        | 5.59      | 492               |                   |         |
| J4059-01     | 1          | No       | 6.0        | N/A      | 18.9    | 5             | 8.48          | 7.43        | -         | 0                 |                   |         |
| J4059-01     | 2          |          |            |          |         | 20            | 8.52          | 7.13        | -         | 0                 |                   |         |
| J4059-01     | 3          |          |            |          |         | 50            | 8.60          | 6.90        | -         | 0                 |                   |         |
| J4059-01     | 4          |          |            |          |         | 150           | 8.66          | 6.89        | -         | 0                 |                   |         |
| J4066-01     | 1          | No       | 6.8        | N/A      | 18.7    | 5             | 8.50          | 7.16        | -         | 0                 |                   |         |
| J4066-01     | 2          |          |            |          |         | 20            | 8.49          | 7.01        | -         | 0                 |                   |         |
| J4066-01     | 3          |          |            |          |         | 50            | 8.43          | 6.83        | -         | 0                 |                   |         |
| J4066-01     | 4          |          |            |          |         | 150           | 8.15          | 6.35        | -         | 0                 |                   |         |

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

2B96762

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD071818

WorkList ID : 114623

Date : 7/18/2018 1:18:34 PM

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample   | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-------------------|--------------|----------|
| 07/20/2018 | Water  | J4043-03 | BOD5 | Cool 4 deg C | PSEG01   | K63              | SD-BASELINE-WATER | 07/18/2018   | SM5210 B |
| 07/20/2018 | Water  | J4058-01 | BOD5 | Cool 4 deg C | ARAM01   | L61              | COMP              | 07/18/2018   | SM5210 B |
| 07/20/2018 | Water  | J4059-01 | BOD5 | Cool 4 deg C | NATI04   | L63              | DSN001            | 07/18/2018   | SM5210 B |
| 07/21/2018 | Water  | J4066-01 | BOD5 | Cool 4 deg C | PSEG01   | K63              | FADW4704L         | 07/19/2018   | SM5210 B |

Date/Time 07/18/18 15:00  
 Received by: IB  
 Relinquished by: IB

Date/Time 07/18/18 16:05  
 Received by: IB  
 Relinquished by: IB