



## BOD5 LOG

Analysis Date: 02/22/2019

QC BATCH ID: LB100982

ANALYST: Indiana

BOD Water: WP71919

SUPERVISOR: apatel

Starch: W2379

MANGANOUS SULFATE SOLUTION: W2427

Conc Sulfuric Acid: W2482

Alkaline Iodide Azide: W2472

POLYSEED: WP71920

Sodium Thiosulfate, 0.025N: WP71781

GGA: WP71921

NaOH, 0.25N: WP71104

Chlorine Strips: W2350

IncubatorID: Incubator-3

pH Strips: W2350

Zero DO: WP71831

| 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     | 8.3                  | 16.9               | 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: LB100982

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.6

TIME IN: 17:00

TIME OUT: 12:00

DATE IN: 02/22/2019

DATE OUT: 02/27/2019

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB100982BL   | 1          | No       | 6.0        | N/A      | 20.1    | 300           | 8.48          | 8.46        | 0.02      | 0.02              | 0.02              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.46          | 5.17        | 3.29      | 0.66              | 0.62              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.40          | 4.26        | 4.14      | 0.55              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.21          | 1.64        | 6.57      | 0.66              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.39          | 4.22        | 4.17      | 177.5             | 177.5             |         |
| GGA          | 2          |          |            |          |         | 6             | 8.41          | 4.16        | 4.25      | 181.5             | 181.5             |         |
| GGA          | 3          |          |            |          |         | 6             | 8.38          | 4.17        | 4.21      | 179.5             | 179.5             |         |
| K1590-01     | 1          | No       | 7.0        | N/A      | 19.0    | 0.5           | 8.44          | 7.70        | -         | 0                 | 413.25            |         |
| K1590-01     | 2          |          |            |          |         | 1             | 8.31          | 6.31        | 2         | 414               |                   |         |
| K1590-01     | 3          |          |            |          |         | 2             | 8.15          | 4.78        | 3.37      | 412.5             |                   |         |
| K1590-01     | 4          |          |            |          |         | 5             | 8.10          | 0.45        | -         | 0                 |                   |         |
| K1590-01     | 5          |          |            |          |         | 10            | 8.08          | 0.06        | -         | 0                 |                   |         |
| K1590-03     | 1          | No       | 7.0        | N/A      | 19.0    | 0.01          | 8.42          | 6.73        | -         | 0                 | 16815             |         |
| K1590-03     | 2          |          |            |          |         | 0.05          | 8.40          | 4.91        | 3.49      | 17220             |                   |         |
| K1590-03     | 3          |          |            |          |         | 0.1           | 8.38          | 2.29        | 6.09      | 16410             |                   |         |
| K1590-03     | 4          |          |            |          |         | 0.5           | 8.36          | 0.29        | -         | 0                 |                   |         |
| K1590-03     | 5          |          |            |          |         | 1             | 8.31          | 0.06        | -         | 0                 |                   |         |
| K1590-03DUP  | 1          | No       | 7.0        | N/A      | 19.0    | 0.01          | 8.45          | 6.76        | -         | 0                 | 16740             |         |
| K1590-03DUP  | 2          |          |            |          |         | 0.05          | 8.41          | 4.95        | 3.46      | 17040             |                   |         |
| K1590-03DUP  | 3          |          |            |          |         | 0.1           | 8.37          | 2.27        | 6.1       | 16440             |                   |         |
| K1590-03DUP  | 4          |          |            |          |         | 0.5           | 8.35          | 0.08        | -         | 0                 |                   |         |
| K1590-03DUP  | 5          |          |            |          |         | 1             | 8.29          | 0.08        | -         | 0                 |                   |         |

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

LB100982

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5022219

WorkList ID : 122610

Date : 02-22-2019 11:29:19

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|----------|
| 02/23/2019 | Water  | K1590-01 | BOD5 | Cool 4 deg C | HOLL01   | M21              | EFFLUENT        | 02/21/2019   | SM5210 B |
| 02/23/2019 | Water  | K1590-03 | BOD5 | Cool 4 deg C | HOLL01   | M21              | INFLUENT        | 02/21/2019   | SM5210 B |

Date/Time 02/22/19 16:00

Received by: IB

Relinquished by: CF

Date/Time

Received by:

Relinquished by:

02/22/19 17:30

CF IB