



## BOD5 LOG

Analysis Date: 12/14/2018

QC BATCH ID: LB99789

ANALYST: Indiana

BOD Water: WP70294

SUPERVISOR: apatel

Starch: W2277

MANGANOUS SULFATE SOLUTION: W2427

Conc Sulfuric Acid: W2310

Alkaline Iodide Azide: W2241

POLYSEED: WP70295

Sodium Thiosulfate, 0.025N: W2337

GGA: WP70296

NaOH, 0.25N: WP68486

Chlorine Strips: W2429

IncubatorID: Incubator-3

pH Strips: W2350

Zero DO: WP70338

| 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        | 8.55    |
| WINKLER2     | WINKLER 2 | 2          | 300     | 8.4                  | 17.1               | 8.7        |         |

Meter Calibration1 : 8.55

Zero DO Reading1 : 0.19 mg/L ( $\leq 0.2$  Criteria)After Incubation

Meter Calibration2 : 8.55

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



QC BATCH ID: LB99789

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 10:00

TIME OUT: 12:00

DATE IN: 12/14/2018

DATE OUT: 12/19/2018

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB99789BL    | 1          | No       | 6.0        | N/A      | 20.0    | 300           | 8.53          | 8.51        | 0.02      | 0.02              | 0.02              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.53          | 4.05        | 4.48      | 0.9               | 0.82              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.45          | 2.89        | 5.56      | 0.74              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.44          | 0.98        | -         | 0                 |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.43          | 3.81        | 4.62      | 190               | 190               |         |
| GGA          | 2          |          |            |          |         | 6             | 8.42          | 3.88        | 4.54      | 186               | 186               |         |
| GGA          | 3          |          |            |          |         | 6             | 8.37          | 3.87        | 4.5       | 184               | 184               |         |
| J6375-01     | 1          | No       | 6.4        | N/A      | 18.7    | 0.5           | 8.50          | 6.52        | -         | 0                 | 479.33            |         |
| J6375-01     | 2          |          |            |          |         | 1             | 8.45          | 5.17        | 3.28      | 738               |                   |         |
| J6375-01     | 3          |          |            |          |         | 2             | 8.42          | 5.10        | 3.32      | 375               |                   |         |
| J6375-01     | 4          |          |            |          |         | 3             | 8.40          | 4.33        | 4.07      | 325               |                   |         |
| J6375-01DUP  | 1          | No       | 6.4        | N/A      | 18.7    | 0.5           | 8.49          | 6.51        | -         | 0                 | 518.17            |         |
| J6375-01DUP  | 2          |          |            |          |         | 1             | 8.46          | 5.20        | 3.26      | 732               |                   |         |
| J6375-01DUP  | 3          |          |            |          |         | 2             | 8.44          | 4.31        | 4.13      | 496.5             |                   |         |
| J6375-01DUP  | 4          |          |            |          |         | 3             | 8.39          | 4.31        | 4.08      | 326               |                   |         |
| J6376-07     | 1          | No       | 6.8        | N/A      | 18.8    | 5             | 8.52          | 6.90        | -         | 0                 |                   |         |
| J6376-07     | 2          |          |            |          |         | 20            | 8.49          | 6.88        | -         | 0                 |                   |         |
| J6376-07     | 3          |          |            |          |         | 50            | 8.45          | 6.57        | -         | 0                 |                   |         |
| J6376-07     | 4          |          |            |          |         | 150           | 8.43          | 6.50        | -         | 0                 |                   |         |

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