



## BOD5 LOG

Analysis Date: 01/25/2019

QC BATCH ID: LB100495

ANALYST: Indiana

BOD Water: WP71220

SUPERVISOR: apatel

Starch: W2277

MANGANOUS SULFATE SOLUTION: W2427

Conc Sulfuric Acid: W2310

Alkaline Iodide Azide: W2472

POLYSEED: WP71222

Sodium Thiosulfate, 0.025N: WP70959

GGA: WP71221

NaOH, 0.25N: WP71104

Chlorine Strips: W2429

IncubatorID: Incubator-3

pH Strips: W2350

Zero DO: WP71223

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER1     | WINKLER 1 | 1          | 300     | 0.0                  | 8.5                | 8.5        | 8.55    |
| WINKLER2     | WINKLER 2 | 2          | 300     | 8.5                  | 17.1               | 8.6        |         |

Meter Calibration1 : 8.55

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

Meter Calibration2 : 8.55

Zero DO Reading2 : 0.18 mg/L ( $\leq 0.2$  Criteria)



QC BATCH ID: LB100495

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 12:00

TIME OUT: 11:00

DATE IN: 01/25/2019

DATE OUT: 01/30/2019

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB100495BL   | 1          | No       | 6.0        | N/A      | 20.0    | 300           | 8.54          | 8.52        | 0.02      | 0.02              | 0.02              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.54          | 5.07        | 3.47      | 0.69              | 0.69              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.51          | 3.60        | 4.91      | 0.65              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.49          | 1.34        | 7.15      | 0.72              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.51          | 4.15        | 4.36      | 183.5             | 183.5             |         |
| GGA          | 2          |          |            |          |         | 6             | 8.48          | 4.03        | 4.45      | 188               | 188               |         |
| GGA          | 3          |          |            |          |         | 6             | 8.49          | 4.10        | 4.39      | 185               | 185               |         |
| K1225-01     | 1          | No       | 6.8        | N/A      | 18.8    | 0.5           | 8.52          | 7.01        | -         | 0                 | 387.5             |         |
| K1225-01     | 2          |          |            |          |         | 1             | 8.51          | 6.05        | 2.46      | 531               |                   |         |
| K1225-01     | 3          |          |            |          |         | 2             | 8.50          | 5.44        | 3.06      | 355.5             |                   |         |
| K1225-01     | 4          |          |            |          |         | 3             | 8.48          | 5.03        | 3.45      | 276               |                   |         |
| K1225-01DUP  | 1          | No       | 6.8        | N/A      | 18.8    | 0.5           | 8.53          | 6.98        | -         | 0                 | 388.5             |         |
| K1225-01DUP  | 2          |          |            |          |         | 1             | 8.51          | 6.03        | 2.48      | 537               |                   |         |
| K1225-01DUP  | 3          |          |            |          |         | 2             | 8.49          | 5.41        | 3.08      | 358.5             |                   |         |
| K1225-01DUP  | 4          |          |            |          |         | 3             | 8.46          | 5.07        | 3.39      | 270               |                   |         |

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

# WORKLIST(Hardcopy Internal Chain)

LB10049K

WorkList Name : BOD012419

WorkList ID : 121598

Date : 1/24/2019 3:08:52 PM

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|----------|
| 01/25/2019 | Water  | K1225-01 | BOD5 | Cool 4 deg C | ARAM01   | L12              | COMP            | 01/23/2019   | SM5210 B |

Date/Time 01/25/19 10:00  
 Received by: IS  
 Relinquished by: CR

Date/Time 01/25/19 12:40  
 Received by: JF  
 Relinquished by: LB