



# BOD5 LOG

QC BATCH ID: LB90749

BOD Water: WP58731

Starch: W2121

Conc Sulfuric Acid: W2151

POLYSEED: WP58733

GGA: WP58732

Chlorine Strips: W2068

pH Strips: W2106

Analysis Date: 10/11/2017

ANALYST: Indiana

SUPERVISOR: apatel

MANGANOUS SULFATE SOLUTION: W2191

Alkaline Iodide Azide: W2241

Sodium Thiosulfate, 0.025N: W2252

NaOH, 0.25N: WP56596

Incubator ID: Incubator-3

| Lab Sample ID |                  | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|---------------|------------------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER       | (Dilution Water) | 1          | 300     | 0.0                  | 8.3                | 8.3        | 8.4     |
| WINKLER       | (Dilution Water) | 2          | 300     | 8.3                  | 16.8               | 8.5        |         |

BOD Dilution Water Before Reading Using DO Meter: 8.4 & After Reading Using DO Meter: 8.40

Calibrate DO meter with average reading: 8.4



QC BATCH ID: LB90749

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 17:00

TIME OUT: 09:30

DATE IN: 10/11/2017

DATE OUT: 10/16/2017

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| POLYSEED     | 1          |          |            |          |         | 10            | 8.29          | 5.56        | 2.73      | 0.55              | 0.51              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.25          | 4.65        | 3.6       | 0.48              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.21          | 3.25        | 4.96      | 0.5               |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.39          | 3.91        | 4.48      | 198.5             | 198.5             |         |
| GGA          | 2          |          |            |          |         | 6             | 8.41          | 3.78        | 4.63      | 206               | 206               |         |
| GGA          | 3          |          |            |          |         | 6             | 8.41          | 3.85        | 4.56      | 202.5             | 202.5             |         |
| I5822-11     | 1          | No       | 6.8        | N/A      | 19.0    | 1             | 8.46          | 7.72        | -         | 0                 | 27.42             |         |
| I5822-11     | 2          |          |            |          |         | 5             | 8.41          | 7.47        | -         | 0                 |                   |         |
| I5822-11     | 3          |          |            |          |         | 25            | 8.23          | 5.66        | 2.57      | 24.72             |                   |         |
| I5822-11     | 4          |          |            |          |         | 50            | 8.00          | 2.47        | 5.53      | 30.12             |                   |         |
| I5823-01     | 1          | No       | 6.4        | N/A      | 18.8    | 0.5           | 8.47          | 7.12        | -         | 0                 | 324.5             |         |
| I5823-01     | 2          |          |            |          |         | 1             | 8.44          | 6.73        | -         | 0                 |                   |         |
| I5823-01     | 3          |          |            |          |         | 2             | 8.42          | 5.59        | 2.83      | 348               |                   |         |
| I5823-01     | 4          |          |            |          |         | 3             | 8.39          | 4.87        | 3.52      | 301               |                   |         |
| I5823-01DUP  | 1          | No       | 6.4        | N/A      | 19.0    | 0.5           | 8.48          | 7.15        | -         | 0                 | 325.75            |         |
| I5823-01DUP  | 2          |          |            |          |         | 1             | 8.45          | 6.71        | -         | 0                 |                   |         |
| I5823-01DUP  | 3          |          |            |          |         | 2             | 8.41          | 5.55        | 2.86      | 352.5             |                   |         |
| I5823-01DUP  | 4          |          |            |          |         | 3             | 8.38          | 4.88        | 3.5       | 299               |                   |         |

NOTE: 2ml POLYSEED added to GGA and all the Samples.