



## BOD5 LOG

QC BATCH ID: LB91616  
BOD Water: WP59651  
Starch: W2121  
Conc Sulfuric Acid: W2151  
POLYSEED: WP59653  
GGA: WP59652  
Chlorine Strips: W2068  
pH Strips: W2106

Analysis Date: 11/15/2017  
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                  | 8.2                | 8.2        | 8.3     |
| WINKLER       | (Dilution Water) | 2          | 300     | 8.2                  | 16.6               | 8.4        |         |

BOD Dilution Water Before Reading Using DO Meter: 8.28 & After Reading Using DO Meter: 8.27  
Calibrate DO meter with average reading: 8.3

QC BATCH ID: LB91616INCUBATOR TEMP IN(C): 20.3INCUBATOR TEMP OUT(C): 20.2TIME IN: 15:40TIME OUT: 10:00DATE IN: 11/15/2017DATE OUT: 11/20/2017

| 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            | 8.18          | 5.64        | 2.54      | 0.51              | 0.61              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.12          | 2.81        | 5.31      | 0.71              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.09          | 2.08        | 6.01      | 0.6               |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 8.07          | 3.87        | 4.2       | 179.5             | 179.5             |             |
| GGA          | 2          |          |            |          |         | 6             | 8.03          | 3.70        | 4.33      | 186               | 186               |             |
| GGA          | 3          |          |            |          |         | 6             | 8.03          | 3.75        | 4.28      | 183.5             | 183.5             |             |
| I6469-01     | 1          | No       | 7.5        | N/A      | 18.5    | 5             | 7.98          | 5.18        | 2.8       | 131.4             | 57                |             |
| I6469-01     | 2          |          |            |          |         | 20            | 7.77          | 3.12        | 4.65      | 60.6              |                   |             |
| I6469-01     | 3          |          |            |          |         | 50            | 7.11          | 1.35        | 5.76      | 30.9              |                   |             |
| I6469-01     | 4          |          |            |          |         | 150           | 4.37          | 1.21        | 3.16      | 5.1               |                   |             |
| I6477-01     | 1          | No       | 11.85      | 7.0      | 18.7    | 5             | 7.90          | 7.27        | -         | 0                 | 19.49             | pH Adjusted |
| I6477-01     | 2          |          |            |          |         | 20            | 7.92          | 5.97        | -         | 0                 |                   |             |
| I6477-01     | 3          |          |            |          |         | 50            | 7.92          | 2.88        | 5.04      | 26.58             |                   |             |
| I6477-01     | 4          |          |            |          |         | 150           | 7.92          | 1.11        | 6.81      | 12.4              |                   |             |
| I6495-01     | 1          | No       | 6.8        | N/A      | 18.8    | 5             | 7.85          | 6.44        | -         | 0                 | 72                |             |
| I6495-01     | 2          |          |            |          |         | 10            | 7.84          | 4.83        | 3.01      | 72                |                   |             |
| I6495-01     | 3          |          |            |          |         | 50            | 7.68          | 0.88        | -         | 0                 |                   |             |
| I6495-01     | 4          |          |            |          |         | 100           | 7.41          | 0.87        | -         | 0                 |                   |             |
| I6495-02     | 1          | No       | 6.8        | N/A      | 18.9    | 5             | 7.83          | 6.99        | -         | 0                 | 61.5              |             |
| I6495-02     | 2          |          |            |          |         | 10            | 7.76          | 5.10        | 2.66      | 61.5              |                   |             |
| I6495-02     | 3          |          |            |          |         | 50            | 7.60          | 0.90        | -         | 0                 |                   |             |
| I6495-02     | 4          |          |            |          |         | 100           | 7.24          | 0.81        | -         | 0                 |                   |             |
| I6495-02DUP  | 1          | No       | 6.8        | N/A      | 18.9    | 5             | 7.84          | 6.98        | -         | 0                 | 61.2              |             |
| I6495-02DUP  | 2          |          |            |          |         | 10            | 7.77          | 5.12        | 2.65      | 61.2              |                   |             |
| I6495-02DUP  | 3          |          |            |          |         | 50            | 7.58          | 0.93        | -         | 0                 |                   |             |
| I6495-02DUP  | 4          |          |            |          |         | 100           | 7.22          | 0.79        | -         | 0                 |                   |             |

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