CHEMTECH

# BOD5 LOG

| | | | |
|---|---|---|---|
| **QC BATCH ID:** | LB86771 | **Analysis Date:** | 04/07/2017 |
| **BOD Water:** | WP54080 | **ANALYST:** | Indiana |
| **Starch:** | W2121 | **SUPERVISOR:** | apatel |
| **Conc Sulfuric Acid:** | W2151 | **MANGANOUS SULFATE SOLUTION:** | W2191 |
| **POLYSEED:** | WP54084 | **Alkaline Iodide Azide:** | W2035 |
| **GGA:** | WP54081 | **Sodium Thiosulfate, 0.025N:** | W2169 |
| **Chlorine Strips:** | W2068 | **NaOH, 0.25N:** | WP52920 |
| **pH Strips:** | W2106 | | |

| 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 | 8.4 |
| WINKLER | (Dilution Water) | 2 | 300 | 8.2 | 16.8 | 8.6 | |

BOD Dilution Water Before Reading Using DO Meter: 8.40 & After Reading Using DO Meter: 8.36

Calibrate DO meter with average reading: 8.4

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**QC BATCH ID:** LB86771

**INCUBATOR TEMP IN(C):** 20.2 **INCUBATOR TEMP OUT(C):** 20.4

**TIME IN:** 16:50 **TIME OUT:** 11:00

**DATE IN:** 04/07/2017 **DATE OUT:** 04/12/2017

| Lab SampleID | Bottle No. | Check CL | Initial PH | Final PH | Temp ℃ | Sam Vol. (mL) | D.O.1 Initial | D.O.2 Final | Depletion | BOD Result (mg/L) | Avg Result (mg/L) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POLYSEED | 1 | | | | | 10 | 8.34 | 4.05 | 4.29 | 0.86 | 0.84 | |
| POLYSEED | 2 | | | | | 15 | 8.28 | 2.13 | 6.15 | 0.82 | | |
| POLYSEED | 3 | | | | | 20 | 8.26 | 0.73 | - | 0 | | |
| GGA | 1 | | | | | 6 | 8.25 | 3.75 | 4.5 | 183 | 183 | |
| GGA | 2 | | | | | 6 | 8.24 | 3.97 | 4.27 | 171.5 | 171.5 | |
| GGA | 3 | | | | | 6 | 8.25 | 3.90 | 4.35 | 175.5 | 175.5 | |
| I2595-07 | 1 | No | 10.22 | 7.0 | 19.8 | 5 | 8.24 | 7.37 | - | 0 | | pH Adjusted |
| I2595-07 | 2 | | | | | 20 | 8.26 | 7.26 | - | 0 | | |
| I2595-07 | 3 | | | | | 50 | 8.28 | 7.12 | - | 0 | | |
| I2595-07 | 4 | | | | | 150 | 8.43 | 6.81 | - | 0 | | |
| I2595-07DUP | 1 | No | 10.22 | 7.0 | 19.8 | 5 | 8.24 | 7.39 | - | 0 | | pH Adjusted |
| I2595-07DUP | 2 | | | | | 20 | 8.26 | 7.28 | - | 0 | | |
| I2595-07DUP | 3 | | | | | 50 | 8.28 | 7.10 | - | 0 | | |
| I2595-07DUP | 4 | | | | | 150 | 8.40 | 6.80 | - | 0 | | |

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

1B86771

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5040717 WorkList ID : 97254 Date : 4/7/2017 2:50:13 PM

| Due Date | Matrix | Sample | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|---|
| 04/09/2017 | Water | I2595-07 -F | BOD5 | | PSEG01 | | A2394 | 04/07/2017 | SM5210 B |

**Date/Time** 04/07/17 14:58
**Received by:** IB
**Relinquished by:** JP

**Date/Time** 04/07/17 16:40
**Received by:** JP
**Relinquished by:** IB