



CBOD5 LOG

Analysis Date: 07/01/2020

QC BATCH ID: LB109836

ANALYST: Alexander

BOD Water: WP85131

SUPERVISOR: apatel

Starch: W2703

MANGANOUS SULFATE SOLUTION: W2520

Conc Sulfuric Acid: W2609

Alkaline Iodide Azide: W2472

POLYSEED: WP85132

Sodium Thiosulfate, 0.025N: WP84605

GGA: WP85133

NaOH, 0.25N: WP80974

Chlorine Strips: W2543

IncubatorID: INCUBATOR #3

pH Strips: W2716

Zero DO: WP81261

Nitrification Inhibitor: W2320

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1 | WINKLER 1 | 1 | 300 | 0.0 | 8.6 | 8.6 | 8.7 |
| WINKLER 2 | WINKLER 2 | 2 | 300 | 8.6 | 17.4 | 8.8 | 8.7 |

Meter Calibration1 : 8.70

Zero DO Reading1 : 0.05 mg/L (<=0.2 Criteria)

After Incubation

Meter Calibration2 : 8.70

Zero DO Reading2 : 0.05 mg/L (<=0.2 Criteria)



QC BATCH ID: LB109836

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 15:50

TIME OUT: 12:50

DATE IN: 07/01/2020

DATE OUT: 07/06/2020

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB109836BL | 1 | No | 6.0 | N/A | 22.20 | 300 | 8.70 | 8.61 | 0.09 | 0.09 | 0.09 | |
| POLYSEED | 1 | | | | | 10 | 8.66 | 4.90 | 3.76 | 0.75 | 0.74 | |
| POLYSEED | 2 | | | | | 15 | 8.66 | 3.25 | 5.41 | 0.72 | | |
| POLYSEED | 3 | | | | | 20 | 8.66 | 1.30 | 7.36 | 0.74 | | |
| GGA | 1 | | | | | 6 | 8.67 | 3.90 | 4.77 | 201.5 | 201.5 | |
| GGA | 2 | | | | | 6 | 8.67 | 3.92 | 4.75 | 200.5 | 200.5 | |
| GGA | 3 | | | | | 6 | 8.67 | 3.83 | 4.84 | 205 | 205 | |
| L3194-01 | 1 | No | 6.8 | N/A | 22.10 | 0.1 | 8.69 | 8.35 | - | 0 | 14.26 | |
| L3194-01 | 2 | | | | | 5 | 8.69 | 8.23 | - | 0 | | |
| L3194-01 | 3 | | | | | 20 | 8.69 | 7.94 | - | 0 | | |
| L3194-01 | 4 | | | | | 50 | 8.52 | 5.13 | 3.39 | 15.9 | | |
| L3194-01 | 5 | | | | | 150 | 8.46 | 1.41 | 7.05 | 12.62 | | |
| L3194-01DUP | 1 | No | 6.8 | N/A | 22.10 | 0.1 | 8.69 | 8.30 | - | 0 | 14.63 | |
| L3194-01DUP | 2 | | | | | 5 | 8.69 | 8.17 | - | 0 | | |
| L3194-01DUP | 3 | | | | | 20 | 8.68 | 7.88 | - | 0 | | |
| L3194-01DUP | 4 | | | | | 50 | 8.68 | 5.17 | 3.51 | 16.62 | | |
| L3194-01DUP | 5 | | | | | 150 | 8.44 | 1.38 | 7.06 | 12.64 | | |

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

LB109836

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CBOD-70120 WorkList ID : 140092 Department : Wet-Chemistry Date : 07-01-2020 14:41:07

| Due Date | Matrix | Sample | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method |
|------------|--------|----------|-------|--------------|----------|------------------|-----------------------|--------------|----------|
| 07/03/2020 | Water | L3194-01 | CBOD5 | Cool 4 deg C | TULL02 | P21 | TUNNEL-WALL-WASHWATEF | 07/01/2020 | SM5210 B |

Date/Time 7/01/2020 14:40
 Received by: Am. Cwetchem
 Relinquished by: JG (Wet Chem)

Date/Time 7/01/2020 16:00
 Received by: JG (Wet Chem)
 Relinquished by: Am. Cwetchem