

Analysis Date: 09/30/2020

QC BATCH ID: LB111242

ANALYST: Alexander

BOD Water: WP87117

SUPERVISOR: apatel

Starch: W2703

MANGANOUS SULFATE SOLUTION: W2520

Conc Sulfuric Acid: W2609

Alkaline Iodide Azide: W2742

POLYSEED: WP87118

Sodium Thiosulfate, 0.025N: WP86633

GGA: WP87119

NaOH, 0.25N: WP86593

Chlorine Strips: W2543

IncubatorID: INCUBATOR #3

pH Strips: W2716

Zero DO: WP85367

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 8.7                | 8.7        | 8.55    |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 8.7                  | 17.1               | 8.4        | 8.55    |

Meter Calibration1 : 8.55

Zero DO Reading1 : 0.03 mg/L ( $\leq 0.2$  Criteria)**After Incubation**

Meter Calibration2 : 8.50

Zero DO Reading2 : 0.03 mg/L ( $\leq 0.2$  Criteria)



QC BATCH ID: LB111242

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:15

TIME OUT: 12:35

DATE IN: 09/30/2020

DATE OUT: 10/05/2020

| 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 |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|---------|
| LB111242BL   | 1          | No       | 6.0        | N/A      | 22.50   | 300           | 8.55          | 8.53        | 0.02      | 0.02              | 0.02              |         |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.52          | 5.72        | 2.8       | 0.56              | 0.61              |         |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.50          | 3.84        | 4.66      | 0.62              |                   |         |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.49          | 2.01        | 6.48      | 0.65              |                   |         |
| GGA          | 1          |          |            |          |         | 6             | 8.50          | 4.34        | 4.16      | 177.5             | 177.5             |         |
| GGA          | 2          |          |            |          |         | 6             | 8.50          | 4.16        | 4.34      | 186.5             | 186.5             |         |
| GGA          | 3          |          |            |          |         | 6             | 8.49          | 4.02        | 4.47      | 193               | 193               |         |
| L4189-03     | 1          | No       | 6.53       | N/A      | 22.50   | 5             | 8.54          | 8.14        | -         | 0                 |                   |         |
| L4189-03     | 2          |          |            |          |         | 20            | 8.54          | 8.27        | -         | 0                 |                   |         |
| L4189-03     | 3          |          |            |          |         | 50            | 8.42          | 7.93        | -         | 0                 |                   |         |
| L4189-03     | 4          |          |            |          |         | 150           | 8.08          | 7.27        | -         | 0                 |                   |         |
| L4197-01     | 1          | No       | 8.0        | N/A      | 22.40   | 0.5           | 8.54          | 8.02        | -         | 0                 | 328.2             |         |
| L4197-01     | 2          |          |            |          |         | 1             | 8.54          | 6.21        | 2.33      | 516               |                   |         |
| L4197-01     | 3          |          |            |          |         | 2             | 8.53          | 6.28        | 2.25      | 246               |                   |         |
| L4197-01     | 4          |          |            |          |         | 5             | 8.51          | 4.19        | 4.32      | 222.6             |                   |         |
| L4197-01     | 5          |          |            |          |         | 10            | 8.48          | 0.32        | -         | 0                 |                   |         |
| L4197-05     | 1          | No       | 4.1        | N/A      | 22.70   | 0.01          | 8.53          | 8.07        | -         | 0                 | 4146              |         |
| L4197-05     | 2          |          |            |          |         | 0.05          | 8.53          | 7.21        | -         | 0                 |                   |         |
| L4197-05     | 3          |          |            |          |         | 0.1           | 8.52          | 5.89        | 2.63      | 6060              |                   |         |
| L4197-05     | 4          |          |            |          |         | 0.5           | 8.52          | 4.19        | 4.33      | 2232              |                   |         |
| L4197-05     | 5          |          |            |          |         | 1             | 8.51          | 0.72        | -         | 0                 |                   |         |
| L4212-02     | 1          | No       | 6.8        | N/A      | 22.10   | 0.5           | 8.53          | 7.21        | -         | 0                 | 633.75            |         |
| L4212-02     | 2          |          |            |          |         | 1             | 8.52          | 6.03        | 2.49      | 564               |                   |         |
| L4212-02     | 3          |          |            |          |         | 2             | 8.51          | 3.21        | 5.3       | 703.5             |                   |         |
| L4212-02     | 4          |          |            |          |         | 3             | 8.48          | 0.08        | -         | 0                 |                   |         |
| L4212-02DUP  | 1          | No       | 6.8        | N/A      | 22.10   | 0.5           | 8.54          | 7.08        | -         | 0                 | 643.5             |         |
| L4212-02DUP  | 2          |          |            |          |         | 1             | 8.53          | 5.98        | 2.55      | 582               |                   |         |
| L4212-02DUP  | 3          |          |            |          |         | 2             | 8.51          | 3.20        | 5.31      | 705               |                   |         |
| L4212-02DUP  | 4          |          |            |          |         | 3             | 8.49          | 0.09        | -         | 0                 |                   |         |

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

LB111242

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-93020

WorkList ID : 142787

Department : Wet-Chemistry

Date : 09-30-2020 08:25:30

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|----------|
| 10/01/2020 | Water  | L4189-03 | BOD5 | Cool 4 deg C | PSEG01   | M21              | TP-C-2334-GW    | 09/29/2020   | SM5210 B |
| 10/01/2020 | Water  | L4197-01 | BOD5 | Cool 4 deg C | HOLL01   | O11              | EFFLUENT        | 09/29/2020   | SM5210 B |
| 10/01/2020 | Water  | L4197-05 | BOD5 | Cool 4 deg C | HOLL01   | O11              | INFLUENT        | 09/29/2020   | SM5210 B |
| 10/02/2020 | Water  | L4212-02 | BOD5 | Cool 4 deg C | ARAM01   | O11              | COMP            | 09/30/2020   | SM5210 B |

Date/Time 9/30/2020 18:10

Received by: AR Wet-chem

Relinquished by: Joffe

Date/Time

Received by:

Relinquished by: