

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/31/2023**QC BATCH ID:** LB124780**BOD Water:** WP101766**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2941**POLYSEED:** WP101768**NaOH, 1N:** WP101216**GGA:** WP101767**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP101527

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.69

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.36

After Incubation

Meter Calibration2: 9.03

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB124780

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:10

TIME OUT: 13:00

DATE IN: 03/31/2023

DATE OUT: 04/05/2023

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
LB124780BL	1	No	6.81	N/A	20.70	300	9.35	9.34	0.01	0.01	0.01	
POLYSEED	1					10	9.29	6.02	3.27	0.65	0.64	
POLYSEED	2					15	9.27	4.32	4.95	0.66		
POLYSEED	3					20	9.25	3.12	6.13	0.61		
GGA	1					6	9.30	5.33	3.97	166.5	167.5	
GGA	2					6	9.29	5.29	4	168		
GGA	3					6	9.27	5.27	4	168		
O2167-01	1	No	6.80	N/A	20.10	5	9.26	8.05	-	0		
O2167-01	2					20	9.20	8.04	-	0		
O2167-01	3					50	8.97	8.02	-	0		
O2167-01	4					150	8.06	7.43	-	0		
O2167-01DUP	1	No	6.80	N/A	20.10	5	9.25	8.04	-	0		
O2167-01DUP	2					20	9.19	8.03	-	0		
O2167-01DUP	3					50	8.96	8.01	-	0		
O2167-01DUP	4					150	8.05	7.44	-	0		

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

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD 31

WorkList ID : 168676

Department : Wet-Chemistry

Date : 03-31-2023 15:35:36

16124780

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/02/2023	Water	O2167-01	BOD5	Cool 4 deg C	PSEG03	TW-1		03/31/2023	SM5210 B

Date/Time 03/31/2023 15:30
 Raw Sample Received by: Reg Cure
 Raw Sample Relinquished by: TP (Cure)

Date/Time 03/31/2023 17:15
 Raw Sample Received by: TP (Cure)
 Raw Sample Relinquished by: Reg Cure