

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/28/2023**QC BATCH ID:** LB128027**BOD Water:** WP104986**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104988**GGA:** WP104987**Chlorine Strips:** W2010**pH Strips:** W3056**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR#3**GuageID:** 0511064**Zero DO:** WP104465

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.64

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 9.17

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

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB128027

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 12:30

TIME OUT: 11:15

DATE IN: 10/28/2023

DATE OUT: 11/02/2023

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
LB128027BL	1	No	6.69	N/A	20.50	300	9.45	9.43	0.02	0.02	0.02	
POLYSEED	1					10	9.43	5.98	3.45	0.69	0.63	
POLYSEED	2					15	9.41	4.46	4.95	0.66		
POLYSEED	3					20	9.39	4.09	5.3	0.53		
GGA	1					6	9.42	5.27	4.15	176	190.5	
GGA	2					6	9.40	4.87	4.53	195		
GGA	3					6	9.39	4.75	4.64	200.5		
O5143-03	1	No	6.30	6.70	20.40	5	9.42	8.80	-	0		pH Adjusted
O5143-03	2					20	9.40	8.48	-	0		
O5143-03	3					50	9.39	8.35	-	0		
O5143-03	4					150	9.17	7.41	-	0		
O5143-03DUP	1	No	6.30	6.70	20.40	5	9.43	8.64	-	0		pH Adjusted
O5143-03DUP	2					20	9.41	8.55	-	0		
O5143-03DUP	3					50	9.39	8.22	-	0		
O5143-03DUP	4					150	9.15	7.43	-	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)

6128027

WorkList Name : bod5 10-27

WorkList ID : 174993

Department : Wet-Chemistry

Date : 10-27-2023 08:32:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5143-03 N	COMPOSITE-1	Water	BOD5	Cool 4 deg C	PSEG03	I41	10/27/2023	SM5210 B

Date/Time 10/28/2023 09:20
 Raw Sample Received by: RM 6027
 Raw Sample Relinquished by: RM 6021

Date/Time 10/28/2023 11:30
 Raw Sample Received by: RM 6021
 Raw Sample Relinquished by: RM 6022