

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/12/2023**QC BATCH ID:** LB124939**BOD Water:** WP101933**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101935**GGA:** WP101934**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.57

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.96

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB124939

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 14:40

TIME OUT: 13:15

DATE IN: 04/12/2023

DATE OUT: 04/17/2023

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
LB124939BL	1	No	6.58	N/A	20.30	300	9.46	9.45	0.01	0.01	0.01	
POLYSEED	1					10	9.22	6.38	2.84	0.57	0.59	
POLYSEED	2					15	9.21	4.48	4.73	0.63		
POLYSEED	3					20	9.15	3.50	5.65	0.57		
GGA	1					6	9.34	4.85	4.49	195	211.17	
GGA	2					6	9.31	4.52	4.79	210		
GGA	3					6	9.29	4.13	5.16	228.5		
O2274-01	1	No	8.09	7.46	20.00	2	9.45	8.57	-	0	50.7	pH Adjusted
O2274-01	2					10	9.38	7.10	2.28	50.7		
O2274-01	3					50	9.29	0.29	-	0		
O2274-01	4					100	9.10	0.24	-	0		
O2274-01DUP	1	No	8.09	7.46	20.00	2	9.44	8.56	-	0	50.1	pH Adjusted
O2274-01DUP	2					10	9.37	7.11	2.26	50.1		
O2274-01DUP	3					50	9.28	0.30	-	0		
O2274-01DUP	4					100	9.11	0.23	-	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)

66124939

WorkList Name : bod5-4-11

WorkList ID : 168967

Department : Wet-Chemistry

Date : 04-11-2023 16:59:20

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/13/2023	Water	O2274-01	BOD5	Cool 4 deg C	M&MM01	K11	1C	04/11/2023	SM5210 B

Date/Time 04/12/2023 13:45
 Raw Sample Received by: RRY Cwy
 Raw Sample Relinquished by: JDT CJC

Date/Time 04/12/2023 14:50
 Raw Sample Received by: JDT CJC
 Raw Sample Relinquished by: RRY Cwy