

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/07/2023**QC BATCH ID:** LB124877**BOD Water:** WP101878**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101880**GGA:** WP101879**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: 8.87

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.57

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB124877

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 10:00

TIME OUT: 16:00

DATE IN: 04/07/2023

DATE OUT: 04/12/2023

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
LB124877BL	1	No	6.57	N/A	20.40	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.42	6.61	2.81	0.56	0.57	
POLYSEED	2					15	9.40	4.97	4.43	0.59		
POLYSEED	3					20	9.39	3.84	5.55	0.55		
GGA	1					6	9.39	4.89	4.5	196.5	202.5	
GGA	2					6	9.38	4.71	4.67	205		
GGA	3					6	9.37	4.68	4.69	206		
O2220-02	1	No	6.48	6.67	20.70	0.5	9.43	7.79	-	0	767.25	pH Adjusted
O2220-02	2					1	9.38	6.64	2.74	651		
O2220-02	3					2	9.27	2.81	6.46	883.5		
O2220-02	4					3	9.17	0.84	-	0		
O2220-02DUP	1	No	6.48	6.67	20.70	0.5	9.42	7.78	-	0	764.25	pH Adjusted
O2220-02DUP	2					1	9.37	6.65	2.72	645		
O2220-02DUP	3					2	9.28	2.82	6.46	883.5		
O2220-02DUP	4					3	9.16	0.83	-	0		
O2231-01	1	No	8.13	7.44	20.30	5	9.41	8.72	-	0		pH Adjusted
O2231-01	2					20	9.40	8.70	-	0		
O2231-01	3					50	9.39	8.66	-	0		
O2231-01	4					150	9.38	8.37	-	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)

LB124877

WorkList Name : bod-4-6

WorkList ID : 168797

Department : Wet-Chemistry

Date : 04-06-2023 08:16:49

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/08/2023	Water	O2231-01	BOD5.	Cool 4 deg C	INFR01	M31	WEEKLY-OUTFALL-002	04/06/2023	SM5210 B
04/07/2023	Water	O2220-02	BOD5	Cool 4 deg C	ARAM01	M11	COMP	04/05/2023	SM5210 B

Date/Time 04/07/2023 08:30
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JH CWC

Date/Time 04/07/2023 10:10
 Raw Sample Received by: JH CWC
 Raw Sample Relinquished by: RM CWC