

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/10/2023**QC BATCH ID:** LB124467**BOD Water:** WP101413**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101415**GGA:** WP101414**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:** WP101031

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.2	18.4	9.2	9.2

Meter Calibration1: 8.74

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.34

After Incubation

Meter Calibration2: 8.60

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB124467

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 19:20

TIME OUT: 13:30

DATE IN: 03/10/2023

DATE OUT: 03/15/2023

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
LB124467BL	1	No	6.80	N/A	20.10	300	9.33	9.32	0.01	0.01	0.01	
POLYSEED	1					10	9.27	5.85	3.42	0.68	0.62	
POLYSEED	2					15	9.19	4.52	4.67	0.62		
POLYSEED	3					20	9.18	3.48	5.7	0.57		
GGA	1					6	9.07	4.84	4.23	180.5	193	
GGA	2					6	9.06	4.52	4.54	196		
GGA	3					6	9.05	4.38	4.67	202.5		
O1865-01	1	No	8.38	7.12	20.00	5	9.32	9.05	-	0		pH Adjusted
O1865-01	2					20	9.31	8.85	-	0		
O1865-01	3					50	9.30	8.80	-	0		
O1865-01	4					150	9.29	8.01	-	0		
O1865-01DUP	1	No	8.38	7.12	20.00	5	9.31	9.04	-	0		pH Adjusted
O1865-01DUP	2					20	9.30	8.84	-	0		
O1865-01DUP	3					50	9.29	8.79	-	0		
O1865-01DUP	4					150	9.28	8.02	-	0		
O1872-01	1	No	6.93	N/A	20.20	0.5	9.30	2.36	6.94	3792	3792	
O1872-01	2					1	9.26	0.33	-	0		
O1872-01	3					2	9.21	0.25	-	0		
O1872-01	4					5	9.06	0.24	-	0		
O1872-01	5					10	8.66	0.23	-	0		
O1872-05	1	No	5.40	6.90	20.20	0.01	9.32	8.40	-	0	3030	pH Adjusted
O1872-05	2					0.05	9.31	8.05	-	0		
O1872-05	3					0.1	9.30	7.34	-	0		
O1872-05	4					0.5	9.25	3.58	5.67	3030		
O1872-05	5					1	9.15	0.30	-	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)

26124467

WorkList Name : bod3-10

WorkList ID : 168043

Department : Wet-Chemistry

Date : 03-10-2023 08:19:34

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/12/2023	Water	O1865-01	BOD5	Cool 4 deg C	INFR01	K22	WEEKLY-OUTFALL-002	03/10/2023	SM5210 B
03/12/2023	Water	O1872-01	BOD5	Cool 4 deg C	HOLL01	K31	EFFLUENT	03/10/2023	SM5210 B
03/12/2023	Water	O1872-05	BOD5	Cool 4 deg C	HOLL01	K31	INFLUENT	03/10/2023	SM5210 B

Date/Time 03/10/2023 18:35
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JDC

Date/Time 03/10/2023 19:25
 Raw Sample Received by: JDC
 Raw Sample Relinquished by: RM CWC