

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/08/2023**QC BATCH ID:** LB124409**BOD Water:** WP101360**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101362**GGA:** WP101361**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	8.70	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.70	17.4	8.7	8.7

Meter Calibration1: 8.86

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.78

After Incubation

Meter Calibration2: 8.60

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

Barometric Pressure2: 7.60 mmHg



QC BATCH ID: LB124409

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 15:50

TIME OUT: 12:45

DATE IN: 03/08/2023

DATE OUT: 03/13/2023

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
LB124409BL	1	No	7.08	N/A	20.30	300	8.77	8.76	0.01	0.01	0.01	
POLYSEED	1					10	8.48	4.59	3.89	0.78	0.64	
POLYSEED	2					15	8.46	3.92	4.54	0.61		
POLYSEED	3					20	8.45	3.19	5.26	0.53		
GGA	1					6	8.63	4.28	4.35	185.5	195.5	
GGA	2					6	8.62	4.09	4.53	194.5		
GGA	3					6	8.61	3.84	4.77	206.5		
O1831-01	1	No	5.21	6.90	20.00	0.05	8.74	7.63	-	0	2862	pH Adjusted
O1831-01	2					0.1	8.72	7.50	-	0		
O1831-01	3					0.2	8.64	6.76	-	0		
O1831-01	4					0.5	8.16	2.75	5.41	2862		
O1831-01	5					1	8.08	0.60	-	0		
O1831-01DUP	1	No	5.21	6.90	20.00	0.05	8.75	7.64	-	0	2850	pH Adjusted
O1831-01DUP	2					0.1	8.73	7.49	-	0		
O1831-01DUP	3					0.2	8.63	6.75	-	0		
O1831-01DUP	4					0.5	8.15	2.76	5.39	2850		
O1831-01DUP	5					1	8.09	0.59	-	0		
O1835-06	1	No	7.13	N/A	20.00	0.5	8.72	5.20	3.52	1728	1728	
O1835-06	2					1	8.69	0.78	-	0		
O1835-06	3					2	8.68	0.13	-	0		
O1835-06	4					3	8.67	0.09	-	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 : bod3-8

WorkList ID : 167981

Department : Wet-Chemistry

Date : 03-08-2023 08:20:41

66124409

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/09/2023	Water	O1831-01	BOD5	Cool 4 deg C	MAJO01	N11	DRAIN-WATER-TANK-1	03/07/2023	SM5210 B
03/10/2023	Water	O1835-06	BOD5	Cool 4 deg C	ARAM01	N11	COMP	03/08/2023	SM5210 B

Date/Time 03/08/2023 14:15
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JH(CWC)

Date/Time 03/08/2023 16:00
 Raw Sample Received by: JH(CWC)
 Raw Sample Relinquished by: RM CWC