

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/24/2023**QC BATCH ID:** LB124675**BOD Water:** wp101659**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** wp101661**GGA:** wp101660**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	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.59

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.33

After Incubation

Meter Calibration2: 9.40

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB124675

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 16:30

TIME OUT: 15:00

DATE IN: 03/24/2023

DATE OUT: 03/29/2023

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
LB124675BL	1	No	6.72	N/A	20.40	300	9.32	9.31	0.01	0.01	0.01	
POLYSEED	1					10	9.21	5.54	3.67	0.73	0.67	
POLYSEED	2					15	9.19	4.28	4.91	0.65		
POLYSEED	3					20	9.15	2.92	6.23	0.62		
GGA	1					6	9.20	4.86	4.34	183.5	192.5	
GGA	2					6	9.16	4.61	4.55	194		
GGA	3					6	9.15	4.48	4.67	200		
O2096-01	1	No	6.06	6.78	20.00	5	9.31	8.40	-	0		pH Adjusted
O2096-01	2					20	9.30	8.38	-	0		
O2096-01	3					50	9.29	8.36	-	0		
O2096-01	4					150	9.28	8.34	-	0		
O2096-01DUP	1	No	6.06	6.78	20.00	5	9.30	8.39	-	0		pH Adjusted
O2096-01DUP	2					20	9.29	8.37	-	0		
O2096-01DUP	3					50	9.28	8.35	-	0		
O2096-01DUP	4					150	9.27	8.33	-	0		
O2096-03	1	No	6.87	N/A	20.00	5	9.30	7.01	2.29	97.2	33.74	
O2096-03	2					20	9.29	7.00	2.29	24.3		
O2096-03	3					50	9.27	6.99	2.28	9.66		
O2096-03	4					150	9.26	6.68	2.58	3.82		
O2096-05	1	No	6.89	N/A	20.60	5	9.31	8.73	-	0		
O2096-05	2					20	9.30	8.57	-	0		
O2096-05	3					50	9.28	8.34	-	0		
O2096-05	4					150	9.27	8.33	-	0		
O2096-07	1	No	6.98	N/A	20.00	5	9.29	8.72	-	0		
O2096-07	2					20	9.28	8.71	-	0		
O2096-07	3					50	9.27	8.70	-	0		
O2096-07	4					150	9.26	8.68	-	0		
O2097-01	1	No	7.49	N/A	20.10	0.5	9.13	7.18	-	0	451.5	
O2097-01	2					1	9.02	6.86	2.16	447		
O2097-01	3					2	8.82	5.11	3.71	456		
O2097-01	4					5	8.02	0.17	-	0		
O2097-01	5					10	6.75	0.13	-	0		
O2097-05	1	No	6.75	N/A	20.00	0.01	9.18	8.25	-	0	3540	
O2097-05	2					0.05	9.17	8.13	-	0		
O2097-05	3					0.1	9.16	7.24	-	0		
O2097-05	4					0.5	8.83	2.26	6.57	3540		
O2097-05	5					1	8.37	0.24	-	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)

6124675

WorkList Name : bod-3-24 WorkList ID : 168451 Department : Wet-Chemistry Date : 03-24-2023 08:28:09

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/25/2023	Water	O2096-01H	BOD5	Cool 4 deg C	LOCK01	M12	MW-1	03/23/2023	SM5210 B
03/25/2023	Water	O2096-03H	BOD5	Cool 4 deg C	LOCK01	M12	MW-3	03/23/2023	SM5210 B
03/25/2023	Water	O2096-05H	BOD5	Cool 4 deg C	LOCK01	M12	MW-4	03/23/2023	SM5210 B
03/25/2023	Water	O2096-07H	BOD5	Cool 4 deg C	LOCK01	M12	MW-2	03/23/2023	SM5210 B
03/26/2023	Water	O2097-01C	BOD5	Cool 4 deg C	HOLL01	M12	EFFLUENT	03/24/2023	SM5210 B
03/26/2023	Water	O2097-05B	BOD5	Cool 4 deg C	HOLL01	M12	INFLUENT	03/24/2023	SM5210 B

Date/Time 03/24/2023 15:20
 Raw Sample Received by: RM CWK
 Raw Sample Relinquished by: JHLL01

Date/Time 03/24/2023 16:40
 Raw Sample Received by: JHLL01
 Raw Sample Relinquished by: RM CWK