

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/26/2023**QC BATCH ID:** LB127996**BOD Water:** WP104931**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104933**GGA:** WP104932**Chlorine Strips:** W2010**pH Strips:** W3056**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP104465

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: 8.90

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.71

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB127996

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 14:00

TIME OUT: 10:00

DATE IN: 10/26/2023

DATE OUT: 10/31/2023

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
LB127996BL	1	No	6.69	N/A	20.60	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.43	5.37	4.06	0.81	0.69	
POLYSEED	2					15	9.40	4.07	5.33	0.71		
POLYSEED	3					20	9.39	3.87	5.52	0.55		
GGA	1					6	9.45	4.98	4.47	189	200.5	
GGA	2					6	9.42	4.71	4.71	201		
GGA	3					6	9.42	4.50	4.92	211.5		
O5061-02	1	No	6.25	6.66	20.40	0.5	9.44	6.97	2.47	1068	788.25	pH Adjusted
O5061-02	2					1	9.39	5.79	3.6	873		
O5061-02	3					2	9.33	4.40	4.93	636		
O5061-02	4					3	9.24	2.79	6.45	576		
O5061-02DUP	1	No	6.25	6.66	20.40	0.5	9.44	6.83	2.61	1152	818.88	pH Adjusted
O5061-02DUP	2					1	9.40	5.71	3.69	900		
O5061-02DUP	3					2	9.33	4.37	4.96	640.5		
O5061-02DUP	4					3	9.22	2.70	6.52	583		
O5074-01	1	No	8.40	7.40	20.40	5	9.44	7.95	-	0	3.58	pH Adjusted
O5074-01	2					20	9.43	7.89	-	0		
O5074-01	3					50	9.41	7.70	-	0		
O5074-01	4					150	9.40	6.92	2.48	3.58		

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)

66127996

WorkList Name : bod5-10-25 WorkList ID : 174895 Department : Wet-Chemistry Date : 10-25-2023 08:22:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5074-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	K11	10/25/2023	SM5210 B
O5061-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	10/25/2023	SM5210 B

Date/Time 10/26/2023 12:00
 Raw Sample Received by: RM
 Raw Sample Relinquished by: JH

Date/Time 10/26/2023 14:30
 Raw Sample Received by: JH
 Raw Sample Relinquished by: RM