

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 02/17/2023**QC BATCH ID:** LB124137**BOD Water:** WP101049**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101051**GGA:** WP101050**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP98644**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	8.80	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.80	17.6	8.8	8.8

Meter Calibration1: 9.24

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.78

After Incubation

Meter Calibration2: 8.54

Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB124137

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 15:30

TIME OUT: 13:00

DATE IN: 02/17/2023

DATE OUT: 02/22/2023

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
LB124137BL	1	No	6.80	N/A	20.00	300	8.77	8.76	0.01	0.01	0.01	
POLYSEED	1					10	8.60	6.28	2.32	0.46	0.49	
POLYSEED	2					15	8.48	4.97	3.51	0.47		
POLYSEED	3					20	8.43	3.05	5.38	0.54		
GGA	1					6	8.58	4.12	4.46	198.5	207.17	
GGA	2					6	8.50	3.92	4.58	204.5		
GGA	3					6	8.48	3.62	4.86	218.5		
O1609-02	1	No	7.27	N/A	20.00	0.5	8.66	6.91	-	0	608.5	
O1609-02	2					1	8.55	5.76	2.79	690		
O1609-02	3					2	8.51	3.93	4.58	613.5		
O1609-02	4					3	8.50	2.79	5.71	522		
O1609-02DUP	1	No	7.27	N/A	20.00	0.5	8.67	6.92	-	0	612.17	
O1609-02DUP	2					1	8.56	5.75	2.81	696		
O1609-02DUP	3					2	8.52	3.92	4.6	616.5		
O1609-02DUP	4					3	8.51	2.78	5.73	524		

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.