

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/10/2025

QC BATCH ID: LB137496

BOD Water: WP115164

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP115166

GGA: WP115165

Chlorine Strips: W3155

pH Strips: W3241

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3248

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP114920

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.8	19.4	9.6	9.6

Meter Calibration1: 9.52

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 770 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.67

After Incubation

Meter Calibration2: 8.58

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB137496

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 15:50

TIME OUT: 12:15

DATE IN: 10/10/2025

DATE OUT: 10/15/2025

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
LB137496BL	1	No	6.62	N/A	20.70	300	9.66	9.64	0.02	0.02	0.02	
POLYSEED	1					10	9.60	6.28	3.32	0.66	0.64	
POLYSEED	2					15	9.55	4.71	4.84	0.65		
POLYSEED	3					20	9.52	3.33	6.19	0.62		
GGA	1					6	9.61	5.40	4.21	178.5	184	
GGA	2					6	9.63	5.26	4.37	186.5		
GGA	3					6	9.61	5.23	4.38	187		
Q3328-01	1	No	4.48	6.77	20.20	5	9.57	1.07	8.5	471.6	471.6	pH Adjusted
Q3328-01	2					20	9.24	0.20	-	0		
Q3328-01	3					50	8.50	0.08	-	0		
Q3328-01	4					150	5.98	0.06	-	0		
Q3328-01DUP	1	No	4.48	6.77	20.20	5	9.55	1.03	8.52	472.8	472.8	pH Adjusted
Q3328-01DUP	2					20	9.25	0.21	-	0		
Q3328-01DUP	3					50	8.51	0.07	-	0		
Q3328-01DUP	4					150	5.99	0.06	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.