

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 12/11/2025

QC BATCH ID: LB138203

BOD Water: WP116054

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP116056

GGA: WP116055

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: WP115915

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.7	9.7	9.7
WINKLER 2	WINKLER 2	2	300	9.9	19.6	9.7	9.7

Meter Calibration1: 9.28

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 750 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.78

After Incubation

Meter Calibration2: 8.87

Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB138203

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:30

TIME OUT: 11:30

DATE IN: 12/11/2025

DATE OUT: 12/16/2025

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
LB138203BL	1	No	6.55	N/A	20.90	300	9.77	9.76	0.01	0.01	0.01	
POLYSEED	1					10	9.62	6.19	3.43	0.69	0.68	
POLYSEED	2					15	9.59	4.49	5.1	0.68		
POLYSEED	3					20	9.55	2.90	6.65	0.67		
GGA	1					6	9.65	5.39	4.26	179	183	
GGA	2					6	9.65	5.29	4.36	184		
GGA	3					6	9.64	5.24	4.4	186		
Q3830-02	1	No	6.52	N/A	20.00	5	9.74	8.17	-	0	541.5	
Q3830-02	2					10	9.72	7.09	2.63	585		
Q3830-02	3					20	9.67	5.14	4.53	577.5		
Q3830-02	4					30	9.60	4.30	5.3	462		
Q3830-02DUP	1	No	6.52	N/A	20.00	5	9.75	8.29	-	0	531	
Q3830-02DUP	2					10	9.71	7.18	2.53	555		
Q3830-02DUP	3					20	9.69	5.29	4.4	558		
Q3830-02DUP	4					30	9.62	4.14	5.48	480		

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.