

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/07/2025

QC BATCH ID: LB134945

BOD Water: WP112227

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112229

NaOH, 1N: WP111323

GGA: WP112228

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111875

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	9.7	19.1	9.4	9.4

Meter Calibration1: 9.45

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

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 7.68

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB134945

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 13:15

TIME OUT: 11:20

DATE IN: 03/07/2025

DATE OUT: 03/12/2025

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
LB134945BL	1	No	6.59	N/A	20.80	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.45	6.70	2.75	0.55	0.54	
POLYSEED	2					15	9.42	5.26	4.16	0.55		
POLYSEED	3					20	9.39	4.07	5.32	0.53		
GGA	1					6	9.44	5.27	4.17	181.5	185.17	
GGA	2					6	9.44	5.20	4.24	185		
GGA	3					6	9.40	5.08	4.32	189		
Q1522-02	1	No	5.97	6.60	20.30	5	9.45	8.82	-	0	17.55	pH Adjusted
Q1522-02	2					20	9.37	7.91	-	0		
Q1522-02	3					50	9.23	4.61	4.62	24.48		
Q1522-02	4					150	8.97	3.12	5.85	10.62		
Q1522-02DUP	1	No	5.97	6.60	20.30	5	9.44	8.95	-	0	17.24	pH Adjusted
Q1522-02DUP	2					20	9.37	7.80	-	0		
Q1522-02DUP	3					50	9.21	4.69	4.52	23.88		
Q1522-02DUP	4					150	8.95	3.11	5.84	10.6		

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.