

BOD Soluble LOG

ANALYST: rubina

SUPERVISOR: Iwona

QC BATCH ID: LB136412

Analysis Date: 07/09/2025

BOD Water: WP113846

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP113848

NaOH, 1N: WP111323

GGA: WP113847

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP113605

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 8.86

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.83

After Incubation

Meter Calibration2: 8.74

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136412

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:40

TIME OUT: 11:00

DATE IN: 07/09/2025

DATE OUT: 07/14/2025

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
LB136412BL	1	No	6.57	N/A	20.90	300	9.82	9.81	0.01	0.01	0.01	
POLYSEED	1					10	9.69	6.29	3.4	0.68	0.67	
POLYSEED	2					15	9.65	4.64	5.01	0.67		
POLYSEED	3					20	9.63	3.01	6.62	0.66		
GGA	1					6	9.74	5.03	4.71	202	205.33	
GGA	2					6	9.70	4.88	4.82	207.5		
GGA	3					6	9.70	4.90	4.8	206.5		
Q2525-01	1	No	7.89	7.09	20.40	2	9.75	7.80	-	0	81.6	pH Adjusted
Q2525-01	2					10	9.73	6.34	3.39	81.6		
Q2525-01	3					50	9.21	0.70	-	0		
Q2525-01	4					100	8.17	0.14	-	0		
Q2525-01DUP	1	No	7.89	7.09	20.40	2	9.75	7.91	-	0	82.5	pH Adjusted
Q2525-01DUP	2					10	9.71	6.29	3.42	82.5		
Q2525-01DUP	3					50	9.20	0.72	-	0		
Q2525-01DUP	4					100	8.18	0.17	-	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.