

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 11/07/2025

QC BATCH ID: LB137873

BOD Water: WP115513

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP115515

GGA: WP115514

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: WP115341

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.7	19.2	9.5	9.5

Meter Calibration1: 9.17

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

Barometric Pressure1: 750 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 8.78

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

Barometric Pressure2: 750 mmHg

QC BATCH ID: LB137873

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 11:30

TIME OUT: 10:30

DATE IN: 11/07/2025

DATE OUT: 11/12/2025

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
LB137873BL	1	No	6.62	N/A	20.80	300	9.59	9.57	0.02	0.02	0.02	
POLYSEED	1					10	9.47	6.37	3.1	0.62	0.65	
POLYSEED	2					15	9.45	4.36	5.09	0.68		
POLYSEED	3					20	9.41	2.95	6.46	0.65		
GGA	1					6	9.49	5.24	4.25	180	182.83	
GGA	2					6	9.47	5.19	4.28	181.5		
GGA	3					6	9.47	5.08	4.39	187		
Q3569-01	1	No	6.88	N/A	20.20	5	9.57	7.92	-	0	50.02	
Q3569-01	2					20	9.55	3.02	6.53	88.2		
Q3569-01	3					50	9.52	1.17	8.35	46.2		
Q3569-01	4					150	9.48	1.00	8.48	15.66		
Q3569-01DUP	1	No	6.88	N/A	20.20	5	9.56	7.80	-	0	49.16	
Q3569-01DUP	2					20	9.53	3.17	6.36	85.65		
Q3569-01DUP	3					50	9.50	1.14	8.36	46.26		
Q3569-01DUP	4					150	9.48	1.04	8.44	15.58		
Q3569-02	1	No	6.51	N/A	20.00	5	9.48	4.02	5.46	288.6	107.72	
Q3569-02	2					20	9.40	2.89	6.51	87.9		
Q3569-02	3					50	9.11	1.57	7.54	41.34		
Q3569-02	4					150	8.38	1.21	7.17	13.04		

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.