

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 11/06/2025

QC BATCH ID: LB137854

BOD Water: WP115510

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP115512

GGA: WP115511

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: 8.98

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.68

After Incubation

Meter Calibration2: 8.72

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 750 mmHg

QC BATCH ID: LB137854

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:00

TIME OUT: 12:00

DATE IN: 11/06/2025

DATE OUT: 11/11/2025

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
LB137854BL	1	No	6.57	N/A	20.90	300	9.67	9.65	0.02	0.02	0.02	
POLYSEED	1					10	9.58	6.61	2.97	0.59	0.62	
POLYSEED	2					15	9.52	4.80	4.72	0.63		
POLYSEED	3					20	9.48	3.01	6.47	0.65		
GGA	1					6	9.54	5.47	4.07	172.5	177.5	
GGA	2					6	9.50	5.32	4.18	178		
GGA	3					6	9.49	5.23	4.26	182		
Q3560-01	1	No	6.14	6.84	20.20	5	9.62	8.67	-	0	21.06	pH Adjusted
Q3560-01	2					20	9.48	7.36	2.12	22.5		
Q3560-01	3					50	9.36	5.47	3.89	19.62		
Q3560-01	4					150	8.41	0.89	-	0		
Q3560-01DUP	1	No	6.14	6.84	20.20	5	9.61	8.72	-	0	21.05	pH Adjusted
Q3560-01DUP	2					20	9.50	7.45	2.05	21.45		
Q3560-01DUP	3					50	9.39	5.33	4.06	20.64		
Q3560-01DUP	4					150	8.40	0.86	-	0		
Q3560-03	1	No	5.83	7.11	20.00	5	9.60	8.63	-	0	3.58	pH Adjusted
Q3560-03	2					20	9.58	8.13	-	0		
Q3560-03	3					50	9.55	7.90	-	0		
Q3560-03	4					150	9.54	7.13	2.41	3.58		
Q3560-05	1	No	5.70	7.02	20.00	5	9.62	8.75	-	0		pH Adjusted
Q3560-05	2					20	9.60	8.52	-	0		
Q3560-05	3					50	9.20	8.30	-	0		
Q3560-05	4					150	8.70	8.01	-	0		
Q3560-07	1	No	6.54	N/A	20.00	5	9.60	7.25	2.35	103.8	90.53	
Q3560-07	2					20	9.44	3.67	5.77	77.25		
Q3560-07	3					50	9.40	0.96	-	0		
Q3560-07	4					150	9.30	0.39	-	0		
Q3560-09	1	No	5.80	6.98	20.00	5	9.62	8.41	-	0		pH Adjusted
Q3560-09	2					20	9.57	8.21	-	0		
Q3560-09	3					50	9.37	7.84	-	0		
Q3560-09	4					150	8.54	6.96	-	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.