

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/28/2025

QC BATCH ID: LB137003

BOD Water: WP114473

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP114475

NaOH, 1N: WP113878

GGA: WP114474

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP114418

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.97

After Incubation

Meter Calibration2: 8.89 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB137003

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:30

TIME OUT: 11:00

DATE IN: 08/28/2025

DATE OUT: 09/02/2025

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
LB137003BL	1	No	6.65	N/A	20.90	300	9.96	9.94	0.02	0.02	0.02	
POLYSEED	1					10	9.95	6.43	3.52	0.7	0.71	
POLYSEED	2					15	9.91	4.16	5.75	0.77		
POLYSEED	3					20	9.87	3.37	6.5	0.65		
GGA	1					6	9.85	5.26	4.59	194	196.67	
GGA	2					6	9.85	5.19	4.66	197.5		
GGA	3					6	9.82	5.14	4.68	198.5		
Q2966-02	1	No	5.37	7.22	20.10	5	9.89	8.67	-	0	388	pH Adjusted
Q2966-02	2					10	9.85	8.27	-	0		
Q2966-02	3					20	9.82	7.85	-	0		
Q2966-02	4					30	9.80	5.21	4.59	388		
Q2971-37	1	No	6.05	7.12	20.30	5	9.79	8.82	-	0		pH Adjusted
Q2971-37	2					20	9.75	8.51	-	0		
Q2971-37	3					50	9.68	8.11	-	0		
Q2971-37	4					150	9.32	8.00	-	0		
Q2971-37DUP	1	No	6.05	7.12	20.30	5	9.80	8.79	-	0		pH Adjusted
Q2971-37DUP	2					20	9.76	8.64	-	0		
Q2971-37DUP	3					50	9.68	8.20	-	0		
Q2971-37DUP	4					150	9.30	8.05	-	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.