

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 06/06/2025

QC BATCH ID: LB136076

BOD Water: WP113422

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113424

GGA: WP113423

Chlorine Strips: W3155

pH Strips: W3140

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP113147

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: 9.42

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.58

After Incubation

Meter Calibration2: 8.45

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB136076

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 16:10

TIME OUT: 11:30

DATE IN: 06/06/2025

DATE OUT: 06/11/2025

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
LB136076BL	1	No	6.63	N/A	20.80	300	9.57	9.55	0.02	0.02	0.02	
POLYSEED	1					10	9.46	6.60	2.86	0.57	0.64	
POLYSEED	2					15	9.40	4.01	5.39	0.72		
POLYSEED	3					20	9.38	3.20	6.18	0.62		
GGA	1					6	9.50	4.99	4.51	193.5	195.5	
GGA	2					6	9.46	4.92	4.54	195		
GGA	3					6	9.44	4.84	4.6	198		
Q2264-04	1	No	5.45	7.12	20.40	5	9.42	7.81	-	0	739.33	pH Adjusted
Q2264-04	2					10	9.38	5.82	3.56	876		
Q2264-04	3					20	9.37	4.13	5.24	690		
Q2264-04	4					30	9.26	2.10	7.16	652		
Q2264-04DUP	1	No	5.45	7.12	20.40	5	9.42	7.98	-	0	734.17	pH Adjusted
Q2264-04DUP	2					10	9.39	5.90	3.49	855		
Q2264-04DUP	3					20	9.37	4.02	5.35	706.5		
Q2264-04DUP	4					30	9.24	2.19	7.05	641		

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.