

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 02/07/2025

QC BATCH ID: LB134633

BOD Water: WP111861

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111863

GGA: WP111862

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: 0511062

Zero DO: WP111324

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.9	19.5	9.6	9.6

Meter Calibration1: 9.40

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.62

After Incubation

Meter Calibration2: 9.05

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB134633

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 17:10

TIME OUT: 11:40

DATE IN: 02/07/2025

DATE OUT: 02/12/2025

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
LB134633BL	1	No	6.67	N/A	20.80	300	9.62	9.60	0.02	0.02	0.02	
POLYSEED	1					10	9.59	7.04	2.55	0.51	0.54	
POLYSEED	2					15	9.54	5.12	4.42	0.59		
POLYSEED	3					20	9.43	4.29	5.14	0.51		
GGA	1					6	9.58	5.24	4.34	190	192.5	
GGA	2					6	9.58	5.21	4.37	191.5		
GGA	3					6	9.55	5.09	4.46	196		
Q1322-04	1	No	7.34	N/A	20.40	5	9.62	8.89	-	0	18.2	
Q1322-04	2					20	9.57	8.45	-	0		
Q1322-04	3					50	9.27	4.30	4.97	26.58		
Q1322-04	4					150	8.92	3.47	5.45	9.82		
Q1322-04DUP	1	No	7.34	N/A	20.40	5	9.62	8.80	-	0	18	
Q1322-04DUP	2					20	9.56	8.33	-	0		
Q1322-04DUP	3					50	9.25	4.35	4.9	26.16		
Q1322-04DUP	4					150	8.90	3.44	5.46	9.84		

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.