

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/05/2025

QC BATCH ID: LB134909

BOD Water: WP112173

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP112174

GGA: WP112175

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: WP111875

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	9.8	19.3	9.5	9.5

Meter Calibration1: 9.52

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

Barometric Pressure1: 7.50 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 8.88

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB134909

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:50

TIME OUT: 08:20

DATE IN: 03/05/2025

DATE OUT: 03/10/2025

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
LB134909BL	1	No	6.60	N/A	20.80	300	9.59	9.57	0.02	0.02	0.02	
POLYSEED	1					10	9.46	6.33	3.13	0.63	0.62	
POLYSEED	2					15	9.42	4.93	4.49	0.6		
POLYSEED	3					20	9.41	3.02	6.39	0.64		
GGA	1					6	9.44	5.28	4.16	177	186.5	
GGA	2					6	9.41	5.02	4.39	188.5		
GGA	3					6	9.41	4.91	4.5	194		
Q1480-33	1	No	6.53	N/A	20.20	5	9.41	8.28	-	0	11.14	
Q1480-33	2					20	9.20	7.31	-	0		
Q1480-33	3					50	8.95	5.30	3.65	18.18		
Q1480-33	4					150	7.47	4.80	2.67	4.1		
Q1480-33DUP	1	No	6.53	N/A	20.20	5	9.41	8.02	-	0	10.89	
Q1480-33DUP	2					20	9.19	7.43	-	0		
Q1480-33DUP	3					50	8.97	5.37	3.6	17.88		
Q1480-33DUP	4					150	7.47	4.90	2.57	3.9		

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.