

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/14/2025

QC BATCH ID: LB135038

BOD Water: WP112296

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP112298

GGA: WP112297

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: WP112277

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: 9.43

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.77

After Incubation

Meter Calibration2: 9.30

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB135038

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 15:00

TIME OUT: 14:00

DATE IN: 03/14/2025

DATE OUT: 03/19/2025

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
LB135038BL	1	No	6.58	N/A	20.90	300	9.76	9.74	0.02	0.02	0.02	
POLYSEED	1					10	9.69	6.28	3.41	0.68	0.7	
POLYSEED	2					15	9.65	4.17	5.48	0.73		
POLYSEED	3					20	9.63	2.70	6.93	0.69		
GGA	1					6	9.70	5.30	4.4	185	189.83	
GGA	2					6	9.70	5.19	4.51	190.5		
GGA	3					6	9.69	5.11	4.58	194		
Q1583-02	1	No	5.46	7.17	20.20	0.5	9.56	8.61	-	0	242	pH Adjusted
Q1583-02	2					1	9.51	8.54	-	0		
Q1583-02	3					2	9.47	7.11	2.36	249		
Q1583-02	4					3	9.44	6.39	3.05	235		
Q1583-02DUP	1	No	5.46	7.17	20.20	0.5	9.58	8.79	-	0	247.25	pH Adjusted
Q1583-02DUP	2					1	9.52	8.32	-	0		
Q1583-02DUP	3					2	9.47	7.14	2.33	244.5		
Q1583-02DUP	4					3	9.43	6.23	3.2	250		

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.