

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/21/2025

QC BATCH ID: LB135134

BOD Water: WP112432

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP112434

GGA: WP112433

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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.6	19.00	9.4	9.4

Meter Calibration1: 9.26

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.73

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB135134

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 15:40

TIME OUT: 12:15

DATE IN: 03/21/2025

DATE OUT: 03/26/2025

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
LB135134BL	1	No	6.62	N/A	20.90	300	9.47	9.45	0.02	0.02	0.02	
POLYSEED	1					10	9.42	5.14	4.28	0.86	0.71	
POLYSEED	2					15	9.39	4.35	5.04	0.67		
POLYSEED	3					20	9.37	3.52	5.85	0.59		
GGA	1					6	9.45	5.25	4.2	174.5	184.33	
GGA	2					6	9.44	5.01	4.43	186		
GGA	3					6	9.44	4.88	4.56	192.5		
Q1625-01	1	No	7.29	N/A	20.50	5	9.44	7.35	2.09	82.8	40.84	
Q1625-01	2					20	9.41	6.51	2.9	32.85		
Q1625-01	3					50	9.38	3.18	6.2	32.94		
Q1625-01	4					150	9.31	1.21	8.1	14.78		
Q1625-01DUP	1	No	7.29	N/A	20.50	5	9.44	7.29	2.15	86.4	42.61	
Q1625-01DUP	2					20	9.42	6.33	3.09	35.7		
Q1625-01DUP	3					50	9.37	3.09	6.28	33.42		
Q1625-01DUP	4					150	9.32	1.16	8.16	14.9		

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.