

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/20/2025

QC BATCH ID: LB135114

BOD Water: WP112383

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP112385

GGA: WP112384

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	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.7	19.2	9.5	9.5

Meter Calibration1: 9.07

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 8.99

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB135114

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 17:10

TIME OUT: 12:30

DATE IN: 03/20/2025

DATE OUT: 03/25/2025

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
LB135114BL	1	No	6.64	N/A	20.80	300	9.59	9.57	0.02	0.02	0.02	
POLYSEED	1					10	9.36	6.43	2.93	0.59	0.55	
POLYSEED	2					15	9.31	5.17	4.14	0.55		
POLYSEED	3					20	9.26	4.12	5.14	0.51		
GGA	1					6	9.44	5.32	4.12	178.5	185.33	
GGA	2					6	9.44	5.20	4.24	184.5		
GGA	3					6	9.43	5.02	4.41	193		
Q1600-02	1	No	6.90	N/A	20.30	0.5	9.54	7.29	2.25	1020	1060.5	
Q1600-02	2					1	9.53	5.31	4.22	1101		
Q1600-02	3					2	9.45	0.32	-	0		
Q1600-02	4					3	9.43	0.12	-	0		
Q1600-02DUP	1	No	6.90	N/A	20.30	0.5	9.55	7.21	2.34	1074	1063.5	
Q1600-02DUP	2					1	9.51	5.45	4.06	1053		
Q1600-02DUP	3					2	9.47	0.38	-	0		
Q1600-02DUP	4					3	9.43	0.07	-	0		
Q1604-02	1	No	7.11	N/A	20.50	5	9.46	8.89	-	0	7.29	
Q1604-02	2					20	9.37	7.82	-	0		
Q1604-02	3					50	9.30	7.02	2.28	10.38		
Q1604-02	4					150	8.77	6.12	2.65	4.2		
Q1606-11	1	No	6.85	N/A	20.10	5	9.37	9.08	-	0	104.85	
Q1606-11	2					20	9.08	1.54	7.54	104.85		
Q1606-11	3					50	8.44	0.08	-	0		
Q1606-11	4					150	5.62	0.06	-	0		
Q1618-01	1	No	6.86	N/A	20.30	5	9.55	8.89	-	0		
Q1618-01	2					20	9.32	8.40	-	0		
Q1618-01	3					50	9.15	7.91	-	0		
Q1618-01	4					150	8.65	7.07	-	0		
Q1618-02	1	No	10.88	7.18	20.30	5	9.53	8.80	-	0		pH Adjusted
Q1618-02	2					20	9.38	8.60	-	0		
Q1618-02	3					50	9.22	8.05	-	0		
Q1618-02	4					150	8.83	7.97	-	0		

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.