

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/14/2025

QC BATCH ID: LB135031

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: LB135031

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 10:30

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
LB135031BL	1	No	6.58	N/A	20.90	300	9.76	9.74	0.02	0.02	0.02	
POLYSEED	1					10	9.71	6.28	3.43	0.69	0.71	
POLYSEED	2					15	9.68	4.14	5.54	0.74		
POLYSEED	3					20	9.65	2.61	7.04	0.7		
GGA	1					6	9.72	5.29	4.43	186	191	
GGA	2					6	9.69	5.14	4.55	192		
GGA	3					6	9.68	5.07	4.61	195		
Q1551-02	1	No	6.74	N/A	20.40	0.5	9.69	8.89	-	0	456.5	
Q1551-02	2					1	9.58	8.01	-	0		
Q1551-02	3					2	9.55	6.36	3.19	372		
Q1551-02	4					3	9.46	3.34	6.12	541		
Q1551-02DUP	1	No	6.74	N/A	20.40	0.5	9.69	8.76	-	0	454.25	
Q1551-02DUP	2					1	9.58	8.17	-	0		
Q1551-02DUP	3					2	9.54	6.42	3.12	361.5		
Q1551-02DUP	4					3	9.48	3.30	6.18	547		
Q1567-01	1	No	7.68	7.11	20.30	0.1	9.61	4.98	4.63	11760	11760	pH Adjusted
Q1567-01	2					0.5	9.56	0.22	-	0		
Q1567-01	3					1	9.54	0.17	-	0		
Q1567-01	4					5	9.51	0.09	-	0		
Q1567-01	5					10	9.30	0.02	-	0		
Q1567-05	1	No	4.44	6.93	20.30	0.01	9.61	8.64	-	0	8970	pH Adjusted
Q1567-05	2					0.05	9.58	7.01	2.57	11160		
Q1567-05	3					0.1	9.53	6.56	2.97	6780		
Q1567-05	4					0.5	9.40	0.19	-	0		
Q1567-05	5					1	9.37	0.04	-	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.