

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 02/05/2025

QC BATCH ID: LB134586

BOD Water: WP111807

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111809

GGA: WP111808

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: WP111324

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.8	19.4	9.6	9.6

Meter Calibration1: 9.62

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 9.10

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB134586

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 15:30

TIME OUT: 09:50

DATE IN: 02/05/2025

DATE OUT: 02/10/2025

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
LB134586BL	1	No	6.62	N/A	20.80	300	9.69	9.67	0.02	0.02	0.02	
POLYSEED	1					10	9.61	5.67	3.94	0.79	0.7	
POLYSEED	2					15	9.59	4.66	4.93	0.66		
POLYSEED	3					20	9.53	2.93	6.6	0.66		
GGA	1					6	9.65	5.24	4.41	185.5	189.5	
GGA	2					6	9.64	5.19	4.45	187.5		
GGA	3					6	9.64	5.03	4.61	195.5		
Q1282-01	1	No	6.05	6.87	20.00	5	9.67	8.43	-	0	24.9	pH Adjusted
Q1282-01	2					20	9.65	6.22	3.43	40.95		
Q1282-01	3					50	9.64	5.49	4.15	20.7		
Q1282-01	4					150	9.62	2.40	7.22	13.04		
Q1300-02	1	No	7.65	7.02	20.60	0.5	9.62	3.52	6.1	3240	3240	pH Adjusted
Q1300-02	2					1	9.53	0.08	-	0		
Q1300-02	3					2	9.45	0.06	-	0		
Q1300-02	4					3	9.30	0.05	-	0		
Q1300-02DUP	1	No	7.65	7.02	20.60	0.5	9.63	3.64	5.99	3174	3174	pH Adjusted
Q1300-02DUP	2					1	9.54	0.08	-	0		
Q1300-02DUP	3					2	9.43	0.06	-	0		
Q1300-02DUP	4					3	9.29	0.05	-	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.