

BOD5 LOG

ANALYST: rubina

SUPERVISOR: jignesh

Analysis Date: 08/08/2025

QC BATCH ID: LB136753

BOD Water: WP114228

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114230

GGA: WP114229

Chlorine Strips: W3155

pH Strips: W3215

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP114055

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	10.00	19.8	9.8	9.8

Meter Calibration1: 9.41 Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.98

After Incubation

Meter Calibration2: 8.74 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB136753

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 10:20

TIME OUT: 14:00

DATE IN: 08/08/2025

DATE OUT: 08/13/2025

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
LB136753BL	1	No	6.81	N/A	20.80	300	9.98	9.96	0.02	0.02	0.02	
POLYSEED	1					10	9.94	7.12	2.82	0.56	0.62	
POLYSEED	2					15	9.90	5.07	4.83	0.64		
POLYSEED	3					20	9.89	3.21	6.68	0.67		
GGA	1					6	9.84	5.30	4.54	196	201.5	
GGA	2					6	9.81	5.15	4.66	202		
GGA	3					6	9.81	5.06	4.75	206.5		
Q2789-02	1	No	6.22	7.01	20.60	5	9.97	8.89	-	0	515.83	pH Adjusted
Q2789-02	2					10	9.94	7.58	2.36	522		
Q2789-02	3					20	9.92	6.37	3.55	439.5		
Q2789-02	4					30	9.88	3.40	6.48	586		
Q2789-02DUP	1	No	6.22	7.01	20.60	5	9.96	8.70	-	0	526.83	pH Adjusted
Q2789-02DUP	2					10	9.94	7.49	2.45	549		
Q2789-02DUP	3					20	9.90	6.27	3.63	451.5		
Q2789-02DUP	4					30	9.87	3.45	6.42	580		

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.