

BOD5 LOG

ANALYST: rubina

SUPERVISOR: jignesh

Analysis Date: 08/20/2025

QC BATCH ID: LB136897

BOD Water: WP114338

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114340

GGA: WP114339

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	9.9	9.9	9.9
WINKLER 2	WINKLER 2	2	300	10.1	20.0	9.9	9.9

Meter Calibration1: 8.64

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 10.03

After Incubation

Meter Calibration2: 8.95

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB136897

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 15:30

TIME OUT: 11:00

DATE IN: 08/20/2025

DATE OUT: 08/25/2025

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
LB136897BL	1	No	6.80	N/A	20.80	300	10.03	10.01	0.02	0.02	0.02	
POLYSEED	1					10	9.94	6.46	3.48	0.7	0.67	
POLYSEED	2					15	9.91	5.26	4.65	0.62		
POLYSEED	3					20	9.90	2.96	6.94	0.69		
GGA	1					6	9.95	5.63	4.32	182.5	186.33	
GGA	2					6	9.91	5.51	4.4	186.5		
GGA	3					6	9.91	5.44	4.47	190		
Q2902-01	1	No	6.47	6.91	20.20	1	9.98	8.92	-	0		pH Adjusted
Q2902-01	2					2	9.95	8.52	-	0		
Q2902-01	3					5	9.93	8.31	-	0		
Q2902-01	4					10	9.90	8.02	-	0		
Q2902-01DUP	1	No	6.47	6.91	20.20	1	9.99	8.81	-	0		pH Adjusted
Q2902-01DUP	2					2	9.96	8.64	-	0		
Q2902-01DUP	3					5	9.92	8.29	-	0		
Q2902-01DUP	4					10	9.89	8.02	-	0		
Q2902-04	1	No	6.80	N/A	20.40	1	9.98	8.86	-	0	71.4	
Q2902-04	2					2	9.96	8.34	-	0		
Q2902-04	3					5	9.92	8.05	-	0		
Q2902-04	4					10	9.90	6.85	3.05	71.4		

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.

65136897

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-8-20 WorkList ID : 191379 Department : Wet-Chemistry Date : 08-20-2025 11:45:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2902-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	J23	08/19/2025	SM5210 B
Q2902-04	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	J23	08/19/2025	SM5210 B

Date/Time 08/20/2025 14:00
Raw Sample Received by: RM (w.c.)
Raw Sample Relinquished by: RM (w.c.)

Date/Time 08/20/2025 15:20
Raw Sample Received by: RM (w.c.)
Raw Sample Relinquished by: RM (w.c.)