

BOD5 LOG

ANALYST: rubina

SUPERVISOR: jignesh

Analysis Date: 08/22/2025

QC BATCH ID: LB136933

BOD Water: WP114391

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114393

GGA: WP114392

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	10.00	10	10
WINKLER 2	WINKLER 2	2	300	10.2	20.2	10	10

Meter Calibration1: 8.92

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 10.18

After Incubation

Meter Calibration2: 8.15

Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136933

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 15:00

TIME OUT: 11:00

DATE IN: 08/22/2025

DATE OUT: 08/27/2025

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
LB136933BL	1	No	6.74	N/A	20.80	300	10.17	10.15	0.02	0.02	0.02	
POLYSEED	1					10	10.08	6.39	3.69	0.74	0.72	
POLYSEED	2					15	10.05	4.60	5.45	0.73		
POLYSEED	3					20	10.01	3.00	7.01	0.7		
GGA	1					6	10.07	5.29	4.78	203	206.33	
GGA	2					6	10.07	5.19	4.88	208		
GGA	3					6	10.02	5.14	4.88	208		
Q2940-01	1	No	8.54	7.11	20.50	5	10.15	8.73	-	0	25	pH Adjusted
Q2940-01	2					20	10.05	8.44	-	0		
Q2940-01	3					50	10.00	3.39	6.61	35.34		
Q2940-01	4					150	9.66	1.61	8.05	14.66		
Q2940-01DUP	1	No	8.54	7.11	20.50	5	10.16	8.83	-	0	24.8	pH Adjusted
Q2940-01DUP	2					20	10.07	8.29	-	0		
Q2940-01DUP	3					50	10.00	3.44	6.56	35.04		
Q2940-01DUP	4					150	9.65	1.65	8	14.56		

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.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod5-2940

WorkList ID : 191434

Department : Wet-Chemistry

Date : 08-22-2025 13:27:28

66136933

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2940-01	COMP(1-6)	Water	BOD5	Cool 4 deg C	PSEG03	D21	08/22/2025	SM5210 B

Date/Time 08/22/2025 13:35
Raw Sample Received by: RIM CWC
Raw Sample Relinquished by: RB (CWC)

Date/Time 08/22/2025 15:30
Raw Sample Received by: RB (CWC)
Raw Sample Relinquished by: RIM (CWC)