

BOD5 LOG

ANALYST: rubina

SUPERVISOR: jignesh

Analysis Date: 08/14/2025

QC BATCH ID: LB136821

BOD Water: WP114280

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114282

GGA: WP114281

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	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.8	19.4	9.6	9.6

Meter Calibration1: 8.72

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

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.74

After Incubation

Meter Calibration2: 8.48

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB136821

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 09:50

TIME OUT: 08:15

DATE IN: 08/14/2025

DATE OUT: 08/19/2025

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
LB136821BL	1	No	6.58	N/A	20.90	300	9.73	9.72	0.01	0.01	0.01	
POLYSEED	1					10	9.58	6.61	2.97	0.59	0.62	
POLYSEED	2					15	9.55	4.79	4.76	0.63		
POLYSEED	3					20	9.52	3.02	6.5	0.65		
GGA	1					6	9.55	4.98	4.57	197.5	206.17	
GGA	2					6	9.52	4.70	4.82	210		
GGA	3					6	9.51	4.67	4.84	211		
Q2835-01	1	No	7.28	N/A	20.70	5	9.68	8.94	-	0		
Q2835-01	2					20	9.63	8.87	-	0		
Q2835-01	3					50	9.61	8.57	-	0		
Q2835-01	4					150	9.50	8.28	-	0		
Q2835-02	1	No	6.54	N/A	20.80	5	9.65	1.01	8.64	481.2	481.2	
Q2835-02	2					20	9.62	0.49	-	0		
Q2835-02	3					50	9.55	0.28	-	0		
Q2835-02	4					150	9.50	0.20	-	0		
Q2837-01	1	No	11.79	6.95	20.70	5	9.70	8.93	-	0	25.92	pH Adjusted
Q2837-01	2					20	9.57	8.02	-	0		
Q2837-01	3					50	9.37	4.43	4.94	25.92		
Q2837-01	4					150	8.69	0.72	-	0		
Q2848-02	1	No	6.53	N/A	20.00	5	9.58	8.68	-	0	150	
Q2848-02	2					10	9.54	8.32	-	0		
Q2848-02	3					20	9.50	7.60	-	0		
Q2848-02	4					30	9.44	7.32	2.12	150		
Q2848-02DUP	1	No	6.53	N/A	20.00	5	9.59	8.92	-	0	140	
Q2848-02DUP	2					10	9.55	8.21	-	0		
Q2848-02DUP	3					20	9.52	7.79	-	0		
Q2848-02DUP	4					30	9.46	7.44	2.02	140		
Q2862-01	1	No	7.12	N/A	20.40	5	9.69	8.85	-	0	7.24	
Q2862-01	2					20	9.67	8.72	-	0		
Q2862-01	3					50	9.69	8.01	-	0		
Q2862-01	4					150	9.41	5.17	4.24	7.24		
Q2862-03	1	No	6.98	N/A	20.40	5	9.69	8.48	-	0	11.24	
Q2862-03	2					20	9.68	7.98	-	0		
Q2862-03	3					50	9.64	7.28	2.36	10.44		
Q2862-03	4					150	9.62	2.98	6.64	12.04		
Q2862-05	1	No	6.92	N/A	20.50	5	9.71	8.68	-	0	11.42	
Q2862-05	2					20	9.62	8.02	-	0		
Q2862-05	3					50	9.60	7.35	2.25	9.78		
Q2862-05	4					150	9.50	2.35	7.15	13.06		

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)

6136821

WorkList Name : BOD5-8-12 WorkList ID : 191233 Department : Wet-Chemistry Date : 08-12-2025 15:33:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2848-02	Comp	Water	BOD5	Cool 4 deg C	ARAM01	J33	08/13/2025	SM5210 B
Q2862-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	J41	08/13/2025	SM5210 B
Q2862-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	J41	08/13/2025	SM5210 B
Q2862-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	J41	08/13/2025	SM5210 B
Q2835-01	Manufacturing	Water	BOD5	Cool 4 deg C	SCIE01	J21	08/12/2025	SM5210 B
Q2835-02	Pilot Plant	Water	BOD5	Cool 4 deg C	SCIE01	J21	08/12/2025	SM5210 B
Q2837-01	TW-WTS-13	Water	BOD5	Cool 4 deg C	ENTA05	J23	08/12/2025	SM5210 B

Date/Time 08/14/2025 08.00
 Raw Sample Received by: RYCWG
 Raw Sample Relinquished by: RYCWG

Date/Time 08/14/2025 10.10
 Raw Sample Received by: RYCWG
 Raw Sample Relinquished by: RYCWG