

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 07/24/2025

QC BATCH ID: LB136596

BOD Water: WP114071

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114073

GGA: WP114072

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	9.7	9.7	9.7
WINKLER 2	WINKLER 2	2	300	9.9	19.6	9.7	9.7

Meter Calibration1: 9.28

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.78

After Incubation

Meter Calibration2: 8.79

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136596

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:30

TIME OUT: 11:00

DATE IN: 07/24/2025

DATE OUT: 07/29/2025

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
LB136596BL	1	No	6.92	N/A	20.90	300	9.78	9.76	0.02	0.02	0.02	
POLYSEED	1					10	9.73	7.02	2.71	0.54	0.6	
POLYSEED	2					15	9.68	4.89	4.79	0.64		
POLYSEED	3					20	9.64	3.47	6.17	0.62		
GGA	1					6	9.73	5.41	4.32	186	190.83	
GGA	2					6	9.72	5.27	4.45	192.5		
GGA	3					6	9.72	5.24	4.48	194		
Q2680-02	1	No	6.04	7.02	20.20	5	9.71	8.66	-	0	509	pH Adjusted
Q2680-02	2					10	9.66	8.40	-	0		
Q2680-02	3					20	9.58	7.88	-	0		
Q2680-02	4					30	9.50	3.81	5.69	509		
Q2680-02DUP	1	No	6.04	7.02	20.90	5	9.71	8.73	-	0	507	pH Adjusted
Q2680-02DUP	2					10	9.64	8.55	-	0		
Q2680-02DUP	3					20	9.56	7.94	-	0		
Q2680-02DUP	4					30	9.52	3.85	5.67	507		
Q2683-01	1	No	7.28	N/A	20.00	5	9.74	8.48	-	0	3.38	
Q2683-01	2					20	9.68	8.28	-	0		
Q2683-01	3					50	9.66	8.11	-	0		
Q2683-01	4					150	9.45	7.16	2.29	3.38		
Q2683-03	1	No	6.99	N/A	20.00	5	9.73	8.68	-	0	3.6	
Q2683-03	2					20	9.71	8.41	-	0		
Q2683-03	3					50	9.67	8.29	-	0		
Q2683-03	4					150	9.63	7.23	2.4	3.6		
Q2683-07	1	No	7.02	N/A	20.00	5	9.75	8.68	-	0	2.82	
Q2683-07	2					20	9.73	8.48	-	0		
Q2683-07	3					50	9.61	8.24	-	0		
Q2683-07	4					150	9.31	7.30	2.01	2.82		

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)

26136596

WorkList Name : bod5-7-24

WorkList ID : 190931

Department : Wet-Chemistry

Date : 07-24-2025 09:19:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2680-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D21	07/23/2025	SM5210 B
Q2683-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	D31	07/23/2025	SM5210 B
Q2683-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	D31	07/23/2025	SM5210 B
Q2683-07	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	D31	07/23/2025	SM5210 B

Date/Time 07/24/2025 14:45
 Raw Sample Received by: RTH cwc
 Raw Sample Relinquished by: JH CWC

Date/Time 07/24/2025 16:40
 Raw Sample Received by: JH CWC
 Raw Sample Relinquished by: RTH cwc