

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 07/25/2025

QC BATCH ID: LB136624

BOD Water: WP114087

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114089

GGA: WP114088

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	10.01	10.01	10.01
WINKLER 2	WINKLER 2	2	300	10.03	20.04	10.01	10.01

Meter Calibration1: 8.30

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 10.10

After Incubation

Meter Calibration2: 9.11

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136624

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:00

TIME OUT: 11:00

DATE IN: 07/25/2025

DATE OUT: 07/30/2025

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
LB136624BL	1	No	6.67	N/A	20.90	300	10.10	10.08	0.02	0.02	0.02	
POLYSEED	1					10	10.06	6.84	3.22	0.64	0.67	
POLYSEED	2					15	10.04	4.85	5.19	0.69		
POLYSEED	3					20	10.02	3.37	6.65	0.67		
GGA	1					6	10.07	5.21	4.86	209.5	214.83	
GGA	2					6	10.05	5.06	4.99	216		
GGA	3					6	10.05	5.00	5.05	219		
Q2698-01	1	No	7.90	6.82	20.40	1	10.05	8.98	-	0	5460	pH Adjusted
Q2698-01	2					5	10.01	8.41	-	0		
Q2698-01	3					10	9.97	7.48	2.49	5460		
Q2698-01	4					50	9.92	0.60	-	0		
Q2698-01	5					100	9.67	0.34	-	0		
Q2698-01DUP	1	No	7.90	6.82	20.40	1	10.05	8.74	-	0	5670	pH Adjusted
Q2698-01DUP	2					5	10.02	8.30	-	0		
Q2698-01DUP	3					10	9.98	7.42	2.56	5670		
Q2698-01DUP	4					50	9.92	0.54	-	0		
Q2698-01DUP	5					100	9.68	0.30	-	0		
Q2698-05	1	No	4.53	6.99	20.60	1	10.06	9.03	-	0	6390	pH Adjusted
Q2698-05	2					5	10.01	8.13	-	0		
Q2698-05	3					10	9.92	7.12	2.8	6390		
Q2698-05	4					50	9.85	0.32	-	0		
Q2698-05	5					100	9.71	0.22	-	0		

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)

6136624

WorkList Name : BOD5-07-25 WorkList ID : 190965 Department : Wet-Chemistry Date : 07-25-2025 12:27:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2698-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	D21	07/25/2025	SM5210 B
Q2698-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	D21	07/25/2025	SM5210 B

Date/Time 07/25/2025 14:20
 Raw Sample Received by: RHCW03
 Raw Sample Relinquished by: RHCW03

Date/Time 07/25/2025 16:10
 Raw Sample Received by: RHCW01
 Raw Sample Relinquished by: RHCW01