

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 07/02/2025

QC BATCH ID: LB136365

BOD Water: WP113788

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113790

GGA: WP113789

Chlorine Strips: W3155

pH Strips: W3215

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP113605

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: 9.15

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.45

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136365

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:00

TIME OUT: 12:00

DATE IN: 07/02/2025

DATE OUT: 07/07/2025

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
LB136365BL	1	No	6.62	N/A	20.90	300	9.69	9.67	0.02	0.02	0.02	
POLYSEED	1					10	9.67	6.34	3.33	0.67	0.64	
POLYSEED	2					15	9.62	4.78	4.84	0.65		
POLYSEED	3					20	9.60	3.47	6.13	0.61		
GGA	1					6	9.53	5.41	4.12	174	179.5	
GGA	2					6	9.53	5.27	4.26	181		
GGA	3					6	9.51	5.20	4.31	183.5		
Q2463-01	1	No	11.57	7.11	20.70	5	9.59	2.78	6.81	370.2	370.2	pH Adjusted
Q2463-01	2					20	9.54	0.28	-	0		
Q2463-01	3					50	9.47	0.21	-	0		
Q2463-01	4					150	9.16	0.20	-	0		
Q2499-02	1	No	5.66	6.99	20.00	5	9.54	7.55	-	0	726	pH Adjusted
Q2499-02	2					10	9.45	6.14	3.31	801		
Q2499-02	3					20	9.41	4.43	4.98	651		
Q2499-02	4					30	9.34	0.36	-	0		
Q2499-02DUP	1	No	5.66	6.99	20.00	5	9.53	7.61	-	0	708	pH Adjusted
Q2499-02DUP	2					10	9.45	6.22	3.23	777		
Q2499-02DUP	3					20	9.40	4.50	4.9	639		
Q2499-02DUP	4					30	9.32	0.36	-	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)

6136365

WorkList Name : BOD5-7-02 WorkList ID : 190517 Department : Wet-Chemistry Date : 07-02-2025 14:44:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2463-01	TW-WTS-11	Water	BOD5	Cool 4 deg C	ENTA05	A53	06/27/2025	SM5210 B
Q2499-02	Comp	Water	BOD5	Cool 4 deg C	ARAM01	A43	07/02/2025	SM5210 B

Date/Time 07/02/2025 15.35
 Raw Sample Received by: RMWC
 Raw Sample Relinquished by: RMWC

Date/Time 07/02/2025 17.10
 Raw Sample Received by: J. Lee
 Raw Sample Relinquished by: RMWC