

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 07/16/2025

QC BATCH ID: LB136503

BOD Water: WP113967

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP113969

NaOH, 1N: WP113878

GGA: WP113968

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

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: 8.94

Zero DO Reading1: 0.11 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.72

Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136503

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:00

TIME OUT: 12:00

DATE IN: 07/16/2025

DATE OUT: 07/21/2025

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
LB136503BL	1	No	6.57	N/A	20.80	300	9.68	9.67	0.01	0.01	0.01	
POLYSEED	1					10	9.61	6.73	2.88	0.58	0.62	
POLYSEED	2					15	9.55	4.58	4.97	0.66		
POLYSEED	3					20	9.50	3.31	6.19	0.62		
GGA	1					6	9.67	5.45	4.22	180	184.67	
GGA	2					6	9.64	5.34	4.3	184		
GGA	3					6	9.63	5.21	4.42	190		
Q2615-02	1	No	5.78	6.98	20.00	5	9.67	8.64	-	0	497.67	pH Adjusted
Q2615-02	2					10	9.64	7.34	2.3	504		
Q2615-02	3					20	9.60	6.20	3.4	417		
Q2615-02	4					30	9.55	3.21	6.34	572		
Q2615-02DUP	1	No	5.78	6.98	20.00	5	9.67	8.50	-	0	503.33	pH Adjusted
Q2615-02DUP	2					10	9.65	7.23	2.42	540		
Q2615-02DUP	3					20	9.59	6.25	3.34	408		
Q2615-02DUP	4					30	9.53	3.29	6.24	562		

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)

6136503

WorkList Name : BOD5-07-16

WorkList ID : 190779

Department : Wet-Chemistry

Date : 07-16-2025 13:00:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2615-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	O11	07/16/2025	SM5210 B

Date/Time 07/16/2025 15.30
 Raw Sample Received by: RM GWT
 Raw Sample Relinquished by: RM GWT

Date/Time 07/16/2025 16.50
 Raw Sample Received by: RM GWT
 Raw Sample Relinquished by: RM GWT