

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 04/25/2025

QC BATCH ID: LB135556

BOD Water: WP112855

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112857

NaOH, 1N: WP111323

GGA: WP112856

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP112724

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 9.37 Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.89

After Incubation

Meter Calibration2: 7.89 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB135556

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 11:00

TIME OUT: 13:00

DATE IN: 04/25/2025

DATE OUT: 04/30/2025

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
LB135556BL	1	No	6.61	N/A	20.90	300	9.89	9.87	0.02	0.02	0.02	
POLYSEED	1					10	9.68	6.22	3.46	0.69	0.68	
POLYSEED	2					15	9.65	4.14	5.51	0.73		
POLYSEED	3					20	9.62	3.38	6.24	0.62		
GGA	1					6	9.69	5.29	4.4	186	190.5	
GGA	2					6	9.68	5.22	4.46	189		
GGA	3					6	9.68	5.07	4.61	196.5		
Q1864-02	1	No	6.55	N/A	20.40	0.5	9.69	7.04	2.65	1182	844.25	
Q1864-02	2					1	9.67	6.94	2.73	615		
Q1864-02	3					2	9.64	3.22	6.42	861		
Q1864-02	4					3	9.60	1.73	7.87	719		
Q1864-02DUP	1	No	6.55	N/A	20.40	0.5	9.69	7.19	2.5	1092	832	
Q1864-02DUP	2					1	9.66	6.86	2.8	636		
Q1864-02DUP	3					2	9.63	3.05	6.58	885		
Q1864-02DUP	4					3	9.60	1.77	7.83	715		

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)

Lb 135556

WorkList Name : BOD-4-25

WorkList ID : 189150

Department : Wet-Chemistry

Date : 04-25-2025 08:03:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1864-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L41	04/23/2025	SM5210 B

Date/Time 04/25/2025 09:30
 Raw Sample Received by: Rivani
 Raw Sample Relinquished by: fd wlc

Date/Time 04/25/2025 19:45
 Raw Sample Received by: jd 600
 Raw Sample Relinquished by: Rivani