

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/28/2025

QC BATCH ID: LB135227

BOD Water: WP112538

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112540

NaOH, 1N: WP111323

GGA: WP112539

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP112277

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.82

After Incubation

Meter Calibration2: 7.79 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 776 mmHg

QC BATCH ID: LB135227

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 12:20

TIME OUT: 10:15

DATE IN: 03/28/2025

DATE OUT: 04/02/2025

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
LB135227BL	1	No	6.58	N/A	20.80	300	9.81	9.80	0.01	0.01	0.01	
POLYSEED	1					10	9.71	7.38	2.33	0.47	0.57	
POLYSEED	2					15	9.69	5.51	4.18	0.56		
POLYSEED	3					20	9.65	2.94	6.71	0.67		
GGA	1					6	9.79	5.48	4.31	187	191.83	
GGA	2					6	9.78	5.33	4.45	194		
GGA	3					6	9.73	5.27	4.46	194.5		
Q1666-01	1	No	6.40	6.78	20.00	5	9.77	6.10	3.67	186	132.45	pH Adjusted
Q1666-01	2					20	9.75	3.92	5.83	78.9		
Q1666-01	3					50	9.71	0.20	-	0		
Q1666-01	4					150	9.27	0.13	-	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)

661335227

WorkList Name : bod5-3-28

WorkList ID : 188609

Department : Wet-Chemistry

Date : 03-28-2025 09:34:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1666-01	TW-WTS-05	Water	BOD5	Cool 4 deg C	ENTA05	I31	03/25/2025	SM5210 B

Date/Time 03/28/2025 10:40
Raw Sample Received by: RM (wcl)
Raw Sample Relinquished by: JH (wcl)

Date/Time 03/28/2025 12:00
Raw Sample Received by: JH (wcl)
Raw Sample Relinquished by: RM (wcl)