

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 04/25/2025

QC BATCH ID: LB135598

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: LB135598

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:40

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
LB135598BL	1	No	6.61	N/A	20.90	300	9.89	9.87	0.02	0.02	0.02	
POLYSEED	1					10	9.68	6.19	3.49	0.7	0.68	
POLYSEED	2					15	9.66	4.20	5.46	0.73		
POLYSEED	3					20	9.60	3.62	5.98	0.6		
GGA	1					6	9.74	5.19	4.55	193.5	195.33	
GGA	2					6	9.68	5.11	4.57	194.5		
GGA	3					6	9.65	5.01	4.64	198		
Q1890-01	1	No	11.61	7.47	20.60	5	9.85	5.79	4.06	202.8	115.4	pH Adjusted
Q1890-01	2					20	9.77	2.71	7.06	95.7		
Q1890-01	3					50	9.65	1.02	8.63	47.7		
Q1890-01	4					150	8.85	0.22	-	0		
Q1890-01DUP	1	No	11.61	7.47	20.60	5	9.85	5.90	3.95	196.2	112.38	pH Adjusted
Q1890-01DUP	2					20	9.75	2.85	6.9	93.3		
Q1890-01DUP	3					50	9.67	1.05	8.62	47.64		
Q1890-01DUP	4					150	8.84	0.21	-	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.

8655508
(6135508)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-4-25

WorkList ID : 189158

Department : Wet-Chemistry

Date : 04-25-2025 16:30:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1890-01	TW-WTS-07	Water	BOD5	Cool 4 deg C	ENTA05	L41	04/24/2025	SM5210 B

Date/Time 04/25/2025 16:45
Raw Sample Received by: RM wsc
Raw Sample Relinquished by: JH wsc

Date/Time 04/25/2025 17:20
Raw Sample Received by: JH wsc
Raw Sample Relinquished by: RM wsc