

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 02/28/2025

QC BATCH ID: LB134855

BOD Water: WP112138

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112140

NaOH, 1N: WP111323

GGA: WP112139

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111875

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.5	18.7	9.2	9.2

Meter Calibration1: 9.10

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.26

After Incubation

Meter Calibration2: 9.28

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB134855

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:00

TIME OUT: 13:30

DATE IN: 02/28/2025

DATE OUT: 03/05/2025

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
LB134855BL	1	No	6.72	N/A	20.80	300	9.26	9.24	0.02	0.02	0.02	
POLYSEED	1					10	9.00	6.22	2.78	0.56	0.55	
POLYSEED	2					15	8.93	4.94	3.99	0.53		
POLYSEED	3					20	8.90	3.19	5.71	0.57		
GGA	1					6	9.04	4.69	4.35	190	185.5	
GGA	2					6	9.01	4.99	4.02	173.5		
GGA	3					6	9.01	4.60	4.41	193		
Q1456-02	1	No	5.73	7.04	20.20	0.5	9.24	8.84	-	0	224	pH Adjusted
Q1456-02	2					1	9.17	8.54	-	0		
Q1456-02	3					2	9.14	7.50	-	0		
Q1456-02	4					3	9.04	6.25	2.79	224		
Q1456-02DUP	1	No	5.73	7.04	20.20	0.5	9.22	8.90	-	0	213	pH Adjusted
Q1456-02DUP	2					1	9.17	8.69	-	0		
Q1456-02DUP	3					2	9.13	7.31	-	0		
Q1456-02DUP	4					3	9.04	6.36	2.68	213		
Q1466-01	1	No	7.49	N/A	20.20	0.1	9.28	4.76	4.52	11910	11910	
Q1466-01	2					0.5	9.26	0.17	-	0		
Q1466-01	3					1	9.25	0.11	-	0		
Q1466-01	4					5	9.22	0.08	-	0		
Q1466-01	5					10	9.19	0.05	-	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)

LB134855

WorkList Name : BOD5-2-27

WorkList ID : 187945

Department : Wet-Chemistry

Date : 02-27-2025 17:35:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1456-02 B	EFF-WASTE WATER	Water	BOD5	Cool 4 deg C	ARDM01	H11	02/27/2025	SM5210 B
Q1466-01 D	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	H11	02/27/2025	SM5210 B

Date/Time 02/28/2025 13.00
 Raw Sample Received by: RM WLC
 Raw Sample Relinquished by: JH WLC

Date/Time 02/28/2025 15.50
 Raw Sample Received by: JH WLC
 Raw Sample Relinquished by: JH WLC