

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 01/02/2025

QC BATCH ID: LB134145

BOD Water: WP111279

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111281

NaOH, 1N: WP108662

GGA: WP111280

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111005

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.5	18.9	9.4	9.4

Meter Calibration1: 9.72 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.94 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB134145

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 09:50

TIME OUT: 09:00

DATE IN: 01/02/2025

DATE OUT: 01/07/2025

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
LB134145BL	1	No	6.54	N/A	20.60	300	9.47	9.45	0.02	0.02	0.02	
POLYSEED	1					10	9.44	6.37	3.07	0.61	0.57	
POLYSEED	2					15	9.39	5.52	3.87	0.52		
POLYSEED	3					20	9.36	3.55	5.81	0.58		
GGA	1					6	9.34	4.68	4.66	204.5	200.67	
GGA	2					6	9.31	4.92	4.39	191		
GGA	3					6	9.30	4.60	4.7	206.5		
P5411-02	1	No	6.57	N/A	20.00	0.5	9.45	7.05	2.4	1098	1215	
P5411-02	2					1	9.35	4.34	5.01	1332		
P5411-02	3					2	9.30	0.74	-	0		
P5411-02	4					3	9.17	0.12	-	0		
P5411-02DUP	1	No	6.57	N/A	20.00	0.5	9.45	7.16	2.29	1032	1170	
P5411-02DUP	2					1	9.34	4.41	4.93	1308		
P5411-02DUP	3					2	9.28	0.92	-	0		
P5411-02DUP	4					3	9.16	0.12	-	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)

66134145

WorkList Name : BOD5-12-31

WorkList ID : 186722

Department : Wet-Chemistry

Date : 12-31-2024 15:36:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5411-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L11	12/31/2024	SM5210 B

Date/Time 01/02/2025 08:10
Raw Sample Received by: RM (w)
Raw Sample Relinquished by: RM (w)

Date/Time 01/02/2025 09:30
Raw Sample Received by: RM (w)
Raw Sample Relinquished by: RM (w)