

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 01/31/2025

QC BATCH ID: LB134498

BOD Water: WP111719

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111721

GGA: WP111720

Chlorine Strips: W3155

pH Strips: W3140

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP111324

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.3	18.8	9.5	9.5

Meter Calibration1: 9.46

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.53

After Incubation

Meter Calibration2: 8.01

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

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB134498

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 10:30

TIME OUT: 13:40

DATE IN: 01/31/2025

DATE OUT: 02/05/2025

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
LB134498BL	1	No	6.60	N/A	20.70	300	9.52	9.51	0.01	0.01	0.01	
POLYSEED	1					10	9.46	7.31	2.15	0.43	0.55	
POLYSEED	2					15	9.44	5.24	4.2	0.56		
POLYSEED	3					20	9.41	2.76	6.65	0.67		
GGA	1					6	9.43	5.09	4.34	189.5	198.67	
GGA	2					6	9.39	4.86	4.53	199		
GGA	3					6	9.39	4.69	4.7	207.5		
Q1217-02	1	No	6.45	6.72	20.50	0.5	9.36	7.99	-	0	443.33	pH Adjusted
Q1217-02	2					1	9.31	7.01	2.3	525		
Q1217-02	3					2	9.20	5.45	3.75	480		
Q1217-02	4					3	9.11	5.31	3.8	325		
Q1217-02DUP	1	No	6.45	6.72	20.50	0.5	9.37	7.92	-	0	432.5	pH Adjusted
Q1217-02DUP	2					1	9.32	7.14	2.18	489		
Q1217-02DUP	3					2	9.20	5.42	3.78	484.5		
Q1217-02DUP	4					3	9.09	5.30	3.79	324		

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)

6134498

WorkList Name : bod-1-31

WorkList ID : 187341

Department : Wet-Chemistry

Date : 01-31-2025 08:21:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1217-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	E11	01/29/2025	SM5210 B

Date/Time 01/31/2025 08:25
Raw Sample Received by: RM (WCL)
Raw Sample Relinquished by: RM (WCL)

Date/Time 01/31/2025 09:56
Raw Sample Received by: RM (WCL)
Raw Sample Relinquished by: RM (WCL)