

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 02/13/2025

QC BATCH ID: LB134708

BOD Water: WP111909

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111911

GGA: WP111910

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: 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	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.7	19.2	9.5	9.5

Meter Calibration1: 9.48

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 9.37

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB134708

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 16:20

TIME OUT: 12:00

DATE IN: 02/13/2025

DATE OUT: 02/18/2025

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
LB134708BL	1	No	6.58	N/A	20.80	300	9.58	9.56	0.02	0.02	0.02	
POLYSEED	1					10	9.54	6.29	3.25	0.65	0.63	
POLYSEED	2					15	9.51	4.79	4.72	0.63		
POLYSEED	3					20	9.48	3.29	6.19	0.62		
GGA	1					6	9.54	5.05	4.49	193	198.5	
GGA	2					6	9.51	4.70	4.81	209		
GGA	3					6	9.51	5.01	4.5	193.5		
Q1359-01	1	No	7.73	7.38	20.40	0.1	9.52	5.31	4.21	10740	10740	pH Adjusted
Q1359-01	2					0.5	9.44	0.12	-	0		
Q1359-01	3					1	9.42	0.09	-	0		
Q1359-01	4					5	9.41	0.07	-	0		
Q1359-01	5					10	9.37	0.05	-	0		
Q1359-05	1	No	6.11	6.91	20.30	0.01	9.49	8.10	-	0	16755	pH Adjusted
Q1359-05	2					0.05	9.43	5.86	3.57	17640		
Q1359-05	3					0.1	9.35	3.43	5.92	15870		
Q1359-05	4					0.5	9.05	0.10	-	0		
Q1359-05	5					1	8.28	0.06	-	0		
Q1361-02	1	No	6.50	N/A	20.20	0.5	9.52	7.11	2.41	1068	982.5	
Q1361-02	2					1	9.38	5.70	3.68	915		
Q1361-02	3					2	9.30	2.24	7.06	964.5		
Q1361-02	4					3	9.15	0.11	-	0		
Q1361-02DUP	1	No	6.50	N/A	20.20	0.5	9.52	6.97	2.55	1152	998.5	
Q1361-02DUP	2					1	9.36	5.85	3.51	864		
Q1361-02DUP	3					2	9.31	2.15	7.16	979.5		
Q1361-02DUP	4					3	9.15	0.10	-	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)

WorkList Name : BOD5-2-13
 WorkList ID : 187700
 Department : Wet-Chemistry
 Date : 02-13-2025 13:23:31

LB134708

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1359-01 D	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	N41	02/12/2025	SM5210 B
Q1359-05 B	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	N41	02/12/2025	SM5210 B
Q1361-02 B	COMP	Water	BOD5	Cool 4 deg C	ARAM01	N51	02/12/2025	SM5210 B

Date/Time 02/13/2025 14:10
 Raw Sample Received by: RM (w/c)
 Raw Sample Relinquished by: JH WOC

Date/Time 02/13/2025 16:00
 Raw Sample Received by: JH WOC
 Raw Sample Relinquished by: RM (w/c)