

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 01/31/2025

QC BATCH ID: LB134509

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: LB134509

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 17:10

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
LB134509BL	1	No	6.60	N/A	20.70	300	9.52	9.51	0.01	0.01	0.01	
POLYSEED	1					10	9.47	7.22	2.25	0.45	0.56	
POLYSEED	2					15	9.42	5.20	4.22	0.56		
POLYSEED	3					20	9.37	2.74	6.63	0.66		
GGA	1					6	9.42	5.04	4.38	191	197.33	
GGA	2					6	9.36	4.83	4.53	198.5		
GGA	3					6	9.35	4.74	4.61	202.5		
Q1252-01	1	No	7.88	7.09	20.30	0.5	9.22	1.00	8.22	4596	4596	pH Adjusted
Q1252-01	2					1	9.16	0.12	-	0		
Q1252-01	3					2	9.11	0.09	-	0		
Q1252-01	4					5	8.71	0.07	-	0		
Q1252-01	5					10	8.14	0.06	-	0		
Q1252-05	1	No	4.91	6.83	20.40	0.01	9.41	8.99	-	0	5253	pH Adjusted
Q1252-05	2					0.05	9.27	7.86	-	0		
Q1252-05	3					0.1	9.22	6.59	2.63	6210		
Q1252-05	4					0.5	8.75	1.03	7.72	4296		
Q1252-05	5					1	8.04	0.07	-	0		
Q1252-05DUP	1	No	4.91	6.83	20.40	0.01	9.40	8.89	-	0	5271	pH Adjusted
Q1252-05DUP	2					0.05	9.26	7.78	-	0		
Q1252-05DUP	3					0.1	9.22	6.55	2.67	6330		
Q1252-05DUP	4					0.5	8.73	1.15	7.58	4212		
Q1252-05DUP	5					1	8.07	0.07	-	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)

LB134509

WorkList Name : bod5-1-31

WorkList ID : 187368

Department : Wet-Chemistry

Date : 01-31-2025 15:13:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1252-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	E11	01/31/2025	SM5210 B
Q1252-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	E11	01/31/2025	SM5210 B

Date/Time 01/31/2025 15:30
 Raw Sample Received by: NF(wc)
 Raw Sample Relinquished by: [Signature]

Date/Time 01/31/2025 16:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: NF(wc)