

BOD Soluble LOG

ANALYST: rubina

SUPERVISOR: Iwona

QC BATCH ID: LB134237

Analysis Date: 01/10/2025

BOD Water: WP111381

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111383

NaOH, 1N: WP111323

GGA: WP111382

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

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	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	10.00	19.6	9.6	9.6

Meter Calibration1: 9.64

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.64

After Incubation

Meter Calibration2: 8.93

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB134237

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 16:20

TIME OUT: 12:30

DATE IN: 01/10/2025

DATE OUT: 01/15/2025

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
LB134237BL	1	No	6.59	N/A	20.60	300	9.63	9.61	0.02	0.02	0.02	
POLYSEED	1					10	9.48	6.90	2.58	0.52	0.59	
POLYSEED	2					15	9.40	4.81	4.59	0.61		
POLYSEED	3					20	9.37	2.87	6.5	0.65		
GGA	1					6	9.54	5.11	4.43	192	197.83	
GGA	2					6	9.46	4.96	4.5	195.5		
GGA	3					6	9.46	4.75	4.71	206		
Q1070-01	1	No	8.13	7.23	20.30	2	9.59	9.00	-	0	42.45	pH Adjusted
Q1070-01	2					10	9.50	7.37	2.13	46.2		
Q1070-01	3					50	9.16	2.12	7.04	38.7		
Q1070-01	4					100	8.65	0.99	-	0		
Q1070-01DUP	1	No	8.13	7.23	20.30	2	9.60	7.98	-	0	42.69	pH Adjusted
Q1070-01DUP	2					10	9.50	7.37	2.13	46.2		
Q1070-01DUP	3					50	9.14	2.02	7.12	39.18		
Q1070-01DUP	4					100	8.64	0.86	-	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.