

BOD Soluble LOG

ANALYST: rubina

SUPERVISOR: Iwona

QC BATCH ID: LB135492

Analysis Date: 04/18/2025

BOD Water: WP112768

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112771

NaOH, 1N: WP111323

GGA: WP112769

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3140

Zero DO: WP112724

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.7	9.7	9.7
WINKLER 2	WINKLER 2	2	300	9.9	19.6	9.7	9.7

Meter Calibration1: 9.73

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.79

After Incubation

Meter Calibration2: 9.75

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB135492

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 13:45

TIME OUT: 14:00

DATE IN: 04/18/2025

DATE OUT: 04/23/2025

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
LB135492BL	1	No	6.61	N/A	20.90	300	9.78	9.77	0.01	0.01	0.01	
POLYSEED	1					10	9.69	6.73	2.96	0.59	0.64	
POLYSEED	2					15	9.57	4.53	5.04	0.67		
POLYSEED	3					20	9.50	2.93	6.57	0.66		
GGA	1					6	9.67	4.98	4.69	202.5	207.33	
GGA	2					6	9.63	4.89	4.74	205		
GGA	3					6	9.63	4.70	4.93	214.5		
Q1831-01	1	No	7.97	7.29	20.40	2	9.58	8.14	-	0	40.35	pH Adjusted
Q1831-01	2					10	9.47	7.31	2.16	45.6		
Q1831-01	3					50	9.30	2.81	6.49	35.1		
Q1831-01	4					100	9.11	0.10	-	0		
Q1831-01DUP	1	No	7.97	7.29	20.40	2	9.59	8.54	-	0	41.46	pH Adjusted
Q1831-01DUP	2					10	9.45	7.20	2.25	48.3		
Q1831-01DUP	3					50	9.30	2.89	6.41	34.62		
Q1831-01DUP	4					100	9.10	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.