

BOD 7 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 02/26/2025

QC BATCH ID: LB134820

BOD Water: WP112062

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112064

NaOH, 1N: WP111323

GGA: WP112063

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

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	9.6	19.1	9.5	9.5

Meter Calibration1: 9.41 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.53

After Incubation

Meter Calibration2: 9.28 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB134820

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:20

TIME OUT: 13:30

DATE IN: 02/26/2025

DATE OUT: 03/05/2025

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
LB134820BL	1	No	6.59	N/A	20.80	300	9.53	9.51	0.02	0.02	0.02	
POLYSEED	1					10	9.51	7.02	2.49	0.5	0.53	
POLYSEED	2					15	9.46	5.63	3.83	0.51		
POLYSEED	3					20	9.42	3.67	5.75	0.57		
GGA	1					6	9.41	5.01	4.4	193.5	203.5	
GGA	2					6	9.41	4.57	4.84	215.5		
GGA	3					6	9.43	4.87	4.56	201.5		
Q1424-05	1	No	7.00	N/A	20.20	0.1	9.50	7.72	-	0	3468	
Q1424-05	2					0.5	9.40	3.09	6.31	3468		
Q1424-05	3					1	9.39	0.19	-	0		
Q1424-05	4					5	9.15	0.10	-	0		
Q1424-05DUP	1	No	7.00	N/A	20.20	0.1	9.50	8.59	-	0	3372	
Q1424-05DUP	2					0.5	9.42	3.27	6.15	3372		
Q1424-05DUP	3					1	9.39	0.14	-	0		
Q1424-05DUP	4					5	9.13	0.09	-	0		
Q1432-05	1	No	6.87	N/A	20.60	0.1	9.31	8.29	-	0	1809	
Q1432-05	2					0.5	9.28	5.58	3.7	1902		
Q1432-05	3					1	9.14	2.89	6.25	1716		
Q1432-05	4					5	8.96	0.62	-	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.