

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 03/07/2025

QC BATCH ID: LB134930

BOD Water: WP112227

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112229

NaOH, 1N: WP111323

GGA: WP112228

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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.7	19.1	9.4	9.4

Meter Calibration1: 9.45

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

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 7.68

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB134930

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 10:30

TIME OUT: 11:20

DATE IN: 03/07/2025

DATE OUT: 03/12/2025

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
LB134930BL	1	No	6.59	N/A	20.80	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.43	6.77	2.66	0.53	0.54	
POLYSEED	2					15	9.40	5.16	4.24	0.57		
POLYSEED	3					20	9.37	4.13	5.24	0.52		
GGA	1					6	9.45	5.35	4.1	178	184.17	
GGA	2					6	9.41	5.22	4.19	182.5		
GGA	3					6	9.40	5.02	4.38	192		
Q1494-01	1	No	7.00	N/A	20.60	5	9.39	8.79	-	0	5.64	
Q1494-01	2					20	9.37	8.64	-	0		
Q1494-01	3					50	9.32	8.24	-	0		
Q1494-01	4					150	9.11	5.75	3.36	5.64		
Q1494-01DUP	1	No	7.00	N/A	20.60	5	9.39	8.88	-	0	5.8	
Q1494-01DUP	2					20	9.37	8.59	-	0		
Q1494-01DUP	3					50	9.34	8.05	-	0		
Q1494-01DUP	4					150	9.13	5.69	3.44	5.8		
Q1513-01	1	No	7.13	N/A	20.90	5	9.40	8.98	-	0		
Q1513-01	2					20	9.35	8.71	-	0		
Q1513-01	3					50	9.34	8.28	-	0		
Q1513-01	4					150	9.32	8.02	-	0		
Q1513-03	1	No	6.88	N/A	20.90	5	9.37	7.47	-	0	13.44	
Q1513-03	2					20	9.35	7.37	-	0		
Q1513-03	3					50	9.30	6.52	2.78	13.44		
Q1513-03	4					150	9.04	0.55	-	0		
Q1513-05	1	No	6.79	N/A	20.80	5	9.38	8.91	-	0	25.86	
Q1513-05	2					20	9.26	8.21	-	0		
Q1513-05	3					50	9.08	4.23	4.85	25.86		
Q1513-05	4					150	8.33	0.35	-	0		
Q1519-01	1	No	9.03	7.31	20.80	5	9.45	8.73	-	0	19.8	pH Adjusted
Q1519-01	2					20	9.32	8.02	-	0		
Q1519-01	3					50	8.71	4.87	3.84	19.8		
Q1519-01	4					150	6.09	0.14	-	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.