

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 06/04/2025

QC BATCH ID: LB136002

BOD Water: WP113377

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP113380

NaOH, 1N: WP111323

GGA: WP113379

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3140

Zero DO: WP113147

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 9.48

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.80

After Incubation

Meter Calibration2: 9.29

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136002

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 16:25

TIME OUT: 12:45

DATE IN: 06/04/2025

DATE OUT: 06/09/2025

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
LB136002BL	1	No	6.61	N/A	20.90	300	9.80	9.78	0.02	0.02	0.02	
POLYSEED	1					10	9.75	6.72	3.03	0.61	0.64	
POLYSEED	2					15	9.70	4.44	5.26	0.7		
POLYSEED	3					20	9.67	3.59	6.08	0.61		
GGA	1					6	9.68	5.64	4.04	170	178.33	
GGA	2					6	9.67	5.26	4.41	188.5		
GGA	3					6	9.71	5.54	4.17	176.5		
Q2191-01	1	No	7.80	7.21	20.40	1	9.73	8.44	-	0	5752	pH Adjusted
Q2191-01	2					5	9.70	7.62	2.08	8640		
Q2191-01	3					10	9.58	7.57	2.01	4110		
Q2191-01	4					50	9.50	1.35	8.15	4506		
Q2191-01	5					100	9.38	0.29	-	0		
Q2197-01	1	No	6.90	N/A	20.20	5	9.70	8.65	-	0	13.73	
Q2197-01	2					20	9.68	8.55	-	0		
Q2197-01	3					50	9.64	6.93	2.71	12.42		
Q2197-01	4					150	9.60	1.44	8.16	15.04		
Q2197-03	1	No	6.92	N/A	20.30	5	9.73	8.42	-	0	9.54	
Q2197-03	2					20	9.70	8.02	-	0		
Q2197-03	3					50	9.65	7.42	2.23	9.54		
Q2197-03	4					150	6.43	5.69	-	0		
Q2197-05	1	No	6.85	N/A	20.40	5	9.72	8.50	-	0	8.84	
Q2197-05	2					20	9.70	8.02	-	0		
Q2197-05	3					50	9.67	7.34	2.33	10.14		
Q2197-05	4					150	9.50	5.09	4.41	7.54		
Q2197-05DUP	1	No	6.85	N/A	20.40	5	9.73	8.66	-	0	8.64	
Q2197-05DUP	2					20	9.70	8.10	-	0		
Q2197-05DUP	3					50	9.66	7.37	2.29	9.9		
Q2197-05DUP	4					150	9.48	5.15	4.33	7.38		
Q2203-01	1	No	6.36	6.99	20.20	5	9.67	2.39	7.28	398.4	398.4	pH Adjusted
Q2203-01	2					20	9.22	0.23	-	0		
Q2203-01	3					50	8.38	0.20	-	0		
Q2203-01	4					150	5.04	0.16	-	0		
Q2203-04	1	No	6.42	7.09	20.40	5	9.77	4.01	5.76	307.2	307.2	pH Adjusted
Q2203-04	2					20	9.46	0.18	-	0		
Q2203-04	3					50	8.50	0.13	-	0		
Q2203-04	4					150	5.00	0.10	-	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.