

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 07/11/2025

QC BATCH ID: LB136441

BOD Water: WP113918

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP113920

NaOH, 1N: WP113878

GGA: WP113919

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP113605

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	9.8	19.4	9.6	9.6

Meter Calibration1: 9.14

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

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

After Incubation

Meter Calibration2: 8.74

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136441

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 14:40

TIME OUT: 13:10

DATE IN: 07/11/2025

DATE OUT: 07/16/2025

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
LB136441BL	1	No	6.64	N/A	20.90	300	9.64	9.62	0.02	0.02	0.02	
POLYSEED	1					10	9.56	6.79	2.77	0.55	0.61	
POLYSEED	2					15	9.54	4.65	4.89	0.65		
POLYSEED	3					20	9.50	3.19	6.31	0.63		
GGA	1					6	9.55	5.39	4.16	177.5	181	
GGA	2					6	9.52	5.30	4.22	180.5		
GGA	3					6	9.52	5.21	4.31	185		
Q2565-01	1	No	6.86	N/A	20.70	5	9.45	1.00	8.45	470.4	470.4	
Q2565-01	2					20	8.78	0.15	-	0		
Q2565-01	3					50	7.28	0.12	-	0		
Q2565-01	4					150	2.50	0.07	-	0		
Q2570-03	1	No	4.79	7.01	20.80	1	9.55	7.99	-	0	17820	pH Adjuster
Q2570-03	2					5	9.52	6.15	3.37	16560		
Q2570-03	3					10	9.40	2.43	6.97	19080		
Q2570-03	4					50	9.38	0.23	-	0		
Q2570-03	5					100	9.21	0.17	-	0		
Q2570-07	1	No	8.25	7.24	20.80	1	9.60	8.80	-	0	2092.5	pH Adjuster
Q2570-07	2					5	9.55	8.47	-	0		
Q2570-07	3					10	9.52	8.07	-	0		
Q2570-07	4					50	9.43	4.93	4.5	2334		
Q2570-07	5					100	9.23	2.45	6.78	1851		
Q2585-04	1	No	7.10	N/A	20.80	5	9.47	8.83	-	0	422	
Q2585-04	2					10	9.43	8.02	-	0		
Q2585-04	3					20	9.40	7.79	-	0		
Q2585-04	4					30	9.36	4.53	4.83	422		
Q2585-04DUP	1	No	7.10	N/A	20.80	5	9.48	8.70	-	0	443	
Q2585-04DUP	2					10	9.42	8.18	-	0		
Q2585-04DUP	3					20	9.40	7.60	-	0		
Q2585-04DUP	4					30	9.34	4.30	5.04	443		
Q2588-01	1	No	4.73	6.89	20.80	5	9.54	1.00	8.54	475.8	475.8	pH Adjuster
Q2588-01	2					20	8.98	0.18	-	0		
Q2588-01	3					50	8.30	0.16	-	0		
Q2588-01	4					150	5.70	0.11	-	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.