

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/10/2025

QC BATCH ID: LB137151

BOD Water: WP114724

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114726

GGA: WP114725

Chlorine Strips: W3155

pH Strips: W3215

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP114418

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: 8.96

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.95

After Incubation

Meter Calibration2: 8.96

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB137151

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 202

TIME IN: 16:50

TIME OUT: 12:00

DATE IN: 09/10/2025

DATE OUT: 09/15/2025

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
LB137151BL	1	No	6.82	N/A	20.80	300	9.94	9.92	0.02	0.02	0.02	
POLYSEED	1					10	9.89	6.92	2.97	0.59	0.64	
POLYSEED	2					15	9.81	4.68	5.13	0.68		
POLYSEED	3					20	9.77	3.15	6.62	0.66		
GGA	1					6	9.85	5.60	4.25	180.5	186.33	
GGA	2					6	9.82	5.40	4.42	189		
GGA	3					6	9.82	5.39	4.43	189.5		
Q3041-01	1	No	6.90	N/A	20.40	5	9.84	7.04	2.8	129.6	69.38	
Q3041-01	2					20	9.68	6.16	3.52	43.2		
Q3041-01	3					50	9.59	3.06	6.53	35.34		
Q3041-01	4					150	9.57	0.61	-	0		
Q3041-04	1	No	2.28	7.24	20.40	5	9.76	8.60	-	0	14.44	pH Adjusted
Q3041-04	2					20	9.72	7.51	2.21	23.55		
Q3041-04	3					50	9.69	7.00	2.69	12.3		
Q3041-04	4					150	9.67	5.29	4.38	7.48		
Q3057-01	1	No	6.99	N/A	20.50	5	9.71	7.24	2.47	10980	9465	
Q3057-01	2					10	9.67	6.22	3.45	8430		
Q3057-01	3					20	9.65	3.02	6.63	8985		
Q3057-01	4					50	9.58	0.59	-	0		
Q3057-01	5					100	9.05	0.35	-	0		
Q3067-02	1	No	9.92	7.38	20.20	5	9.84	7.72	2.12	888	681.13	pH Adjusted
Q3067-02	2					10	9.82	6.87	2.95	693		
Q3067-02	3					20	9.78	4.79	4.99	652.5		
Q3067-02	4					30	9.75	4.20	5.55	491		
Q3067-02DUP	1	No	9.92	7.38	20.20	5	9.83	7.70	2.13	894	682.75	pH Adjusted
Q3067-02DUP	2					10	9.80	6.80	3	708		
Q3067-02DUP	3					20	9.74	4.88	4.86	633		
Q3067-02DUP	4					30	9.72	4.12	5.6	496		
Q3070-01	1	No	7.38	N/A	20.80	5	9.90	7.36	2.54	11400	10130	
Q3070-01	2					10	9.84	5.71	4.13	10470		
Q3070-01	3					20	9.56	3.24	6.32	8520		
Q3070-01	4					50	9.20	0.61	-	0		
Q3070-01	5					100	8.99	0.48	-	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.