

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 11/07/2025

QC BATCH ID: LB137871

BOD Water: WP115513

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP115342

Sodium Thiosulfate, 0.025N: W3248

POLYSEED: WP115515

NaOH, 1N: WP113878

GGA: WP115514

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3241

Zero DO: WP115341

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	9.7	19.2	9.5	9.5

Meter Calibration1: 9.17 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 750 mmHg DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 8.78 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 750 mmHg

QC BATCH ID: LB137871

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 19:00

TIME OUT: 16:00

DATE IN: 11/07/2025

DATE OUT: 11/12/2025

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
LB137871BL	1	No	6.62	N/A	20.80	300	9.59	9.57	0.02	0.02	0.02	
POLYSEED	1					10	9.48	6.36	3.12	0.62	0.64	
POLYSEED	2					15	9.43	4.40	5.03	0.67		
POLYSEED	3					20	9.40	2.97	6.43	0.64		
GGA	1					6	9.45	5.30	4.15	175.5	177.5	
GGA	2					6	9.40	5.21	4.19	177.5		
GGA	3					6	9.41	5.18	4.23	179.5		
Q3575-01	1	No	6.79	N/A	20.30	5	9.43	8.57	-	0	10.36	
Q3575-01	2					20	9.37	7.78	-	0		
Q3575-01	3					50	9.24	6.76	2.48	11.04		
Q3575-01	4					150	8.72	3.24	5.48	9.68		
Q3575-02	1	No	6.93	N/A	20.40	5	9.47	8.28	-	0	11.32	
Q3575-02	2					20	9.39	7.60	-	0		
Q3575-02	3					50	9.20	6.79	2.41	10.62		
Q3575-02	4					150	8.49	1.84	6.65	12.02		
Q3578-01	1	No	5.02	7.11	20.20	5	9.49	1.04	8.45	468.6	468.6	pH Adjusted
Q3578-01	2					20	9.27	0.78	-	0		
Q3578-01	3					50	8.89	0.54	-	0		
Q3578-01	4					150	6.49	0.24	-	0		
Q3578-01DUP	1	No	5.02	7.11	20.20	5	9.47	1.07	8.4	465.6	465.6	pH Adjusted
Q3578-01DUP	2					20	9.29	0.84	-	0		
Q3578-01DUP	3					50	8.90	0.54	-	0		
Q3578-01DUP	4					150	6.95	0.20	-	0		
Q3584-01	1	No	6.71	N/A	20.00	5	9.48	8.78	-	0		
Q3584-01	2					20	9.36	8.58	-	0		
Q3584-01	3					50	9.26	8.20	-	0		
Q3584-01	4					150	9.00	7.98	-	0		
Q3584-02	1	No	6.36	6.89	20.00	5	9.53	8.68	-	0		pH Adjusted
Q3584-02	2					20	9.36	8.64	-	0		
Q3584-02	3					50	9.30	8.19	-	0		
Q3584-02	4					150	8.98	8.00	-	0		
Q3584-03	1	No	6.57	N/A	20.00	5	9.51	8.82	-	0		
Q3584-03	2					20	9.42	8.73	-	0		
Q3584-03	3					50	9.32	8.26	-	0		
Q3584-03	4					150	9.30	8.02	-	0		
Q3584-05	1	No	7.37	N/A	20.00	5	9.48	8.78	-	0		
Q3584-05	2					20	9.45	8.60	-	0		
Q3584-05	3					50	9.35	8.28	-	0		
Q3584-05	4					150	9.20	8.19	-	0		
Q3584-07	1	No	7.57	7.22	20.00	5	9.20	1.07	8.13	449.4	449.4	pH Adjusted
Q3584-07	2					20	8.74	0.47	-	0		

Q3584-07	3					50	7.84	0.19	-	0		
Q3584-07	4					150	4.10	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.