

BOD5 LOG

ANALYST: rubina

SUPERVISOR: jignesh

Analysis Date: 10/23/2025

QC BATCH ID: LB137623

BOD Water: WP115292

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3248

POLYSEED: WP115294

NaOH, 1N: WP113878

GGA: WP115293

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3241

Zero DO: WP114920

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: 9.09

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.64

After Incubation

Meter Calibration2: 8.92

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB137623

INCUBATOR TEMP IN(C): 19.6

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 15:00

TIME OUT: 12:00

DATE IN: 10/23/2025

DATE OUT: 10/28/2025

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
LB137623BL	1	No	6.59	N/A	20.70	300	9.63	9.61	0.02	0.02	0.02	
POLYSEED	1					10	9.60	6.55	3.05	0.61	0.65	
POLYSEED	2					15	9.54	4.35	5.19	0.69		
POLYSEED	3					20	9.50	2.87	6.63	0.66		
GGA	1					6	9.55	5.38	4.17	176	185.5	
GGA	2					6	9.55	5.11	4.44	189.5		
GGA	3					6	9.56	5.09	4.47	191		
Q3420-05	1	No	9.20	7.01	20.00	5	9.58	5.10	4.48	229.8	229.8	pH Adjusted
Q3420-05	2					20	9.54	0.29	-	0		
Q3420-05	3					50	9.52	0.20	-	0		
Q3420-05	4					150	9.50	0.19	-	0		
Q3420-05DUP	1	No	9.20	7.01	20.00	5	9.59	5.23	4.36	222.6	222.6	pH Adjusted
Q3420-05DUP	2					20	9.56	0.30	-	0		
Q3420-05DUP	3					50	9.52	0.20	-	0		
Q3420-05DUP	4					150	9.49	0.17	-	0		
Q3428-02	1	No	9.66	6.84	20.00	5	9.53	8.46	-	0	687	pH Adjusted
Q3428-02	2					10	9.51	6.57	2.94	687		
Q3428-02	3					20	9.45	0.59	-	0		
Q3428-02	4					30	9.39	0.25	-	0		
Q3448-01	1	No	6.17	6.99	20.00	5	9.48	8.77	-	0	25.08	pH Adjusted
Q3448-01	2					20	9.46	7.80	-	0		
Q3448-01	3					50	9.41	4.58	4.83	25.08		
Q3448-01	4					150	9.40	0.60	-	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.