

BOD5 LOG

ANALYST: rubin
Inst Id :DO METER
LB :LB136764

Reviewed By:jignesh
On:8/14/2025 10:00:24
AM

SUPERVISOR: jignesh

QC BATCH ID: LB136764

Analysis Date: 08/08/2025

BOD Water: WP114228

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP114230

NaOH, 1N: WP113878

GGA: WP114229

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP114055

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	10.00	19.8	9.8	9.8

Meter Calibration1: 9.41

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.98

After Incubation

Meter Calibration2: 8.74

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB136764

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 15:50

TIME OUT: 14:00

DATE IN: 08/08/2025

DATE OUT: 08/13/2025

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
LB136764BL	1	No	6.81	N/A	20.80	300	9.98	9.96	0.02	0.02	0.02	
POLYSEED	1					10	9.92	7.12	2.8	0.56	0.62	
POLYSEED	2					15	9.89	5.07	4.82	0.64		
POLYSEED	3					20	9.84	3.21	6.63	0.66		
GGA	1					6	9.90	5.22	4.68	203	208.33	
GGA	2					6	9.90	5.09	4.81	209.5		
GGA	3					6	9.87	5.00	4.87	212.5		
Q2810-01	1	No	4.80	6.70	20.90	5	9.94	1.01	8.93	498.6	498.6	pH Adjusted
Q2810-01	2					20	9.90	0.33	-	0		
Q2810-01	3					50	9.42	0.22	-	0		
Q2810-01	4					150	7.09	0.19	-	0		
Q2811-02	1	No	8.15	6.91	20.70	5	9.90	8.89	-	0	605	pH Adjusted
Q2811-02	2					10	9.87	8.22	-	0		
Q2811-02	3					20	9.85	5.63	4.22	540		
Q2811-02	4					30	9.82	2.50	7.32	670		
Q2811-02DUP	1	No	8.15	6.91	20.70	5	9.92	8.81	-	0	617.25	pH Adjusted
Q2811-02DUP	2					10	9.86	8.54	-	0		
Q2811-02DUP	3					20	9.84	5.57	4.27	547.5		
Q2811-02DUP	4					30	9.81	2.32	7.49	687		
Q2813-01	1	No	8.35	7.11	20.20	1	9.91	8.81	-	0	5991	pH Adjusted
Q2813-01	2					5	9.86	8.21	-	0		
Q2813-01	3					10	9.84	6.69	3.15	7590		
Q2813-01	4					50	9.46	1.52	7.94	4392		
Q2813-01	5					100	9.03	0.32	-	0		
Q2813-05	1	No	8.38	7.39	20.30	1	9.92	8.62	-	0	5790	pH Adjusted
Q2813-05	2					5	9.90	8.40	-	0		
Q2813-05	3					10	9.82	7.27	2.55	5790		
Q2813-05	4					50	9.74	0.64	-	0		
Q2813-05	5					100	8.90	0.35	-	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.