

BOD5 LOG

ANALYST: rubin
Inst Id :DO METER
LB :LB134238

Reviewed By:Iwona
On:1/15/2025 2:58:14
PM

SUPERVISOR: Iwona

QC BATCH ID: LB134238

Analysis Date: 01/10/2025

BOD Water: WP111381

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111383

NaOH, 1N: WP111323

GGA: WP111382

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111324

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	10.00	19.6	9.6	9.6

Meter Calibration1: 9.64

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

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

After Incubation

Meter Calibration2: 8.93

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB134238

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 16:20

TIME OUT: 12:30

DATE IN: 01/10/2025

DATE OUT: 01/15/2025

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
LB134238BL	1	No	6.59	N/A	20.60	300	9.63	9.61	0.02	0.02	0.02	
POLYSEED	1					10	9.48	6.92	2.56	0.51	0.59	
POLYSEED	2					15	9.40	4.87	4.53	0.6		
POLYSEED	3					20	9.32	2.87	6.45	0.65		
GGA	1					6	9.55	5.09	4.46	193.5	201	
GGA	2					6	9.54	4.91	4.63	202		
GGA	3					6	9.52	4.78	4.74	207.5		
Q1049-01	1	No	8.50	7.19	20.70	5	9.62	1.01	8.61	481.2	481.2	pH Adjusted
Q1049-01	2					20	9.55	0.14	-	0		
Q1049-01	3					50	9.52	0.13	-	0		
Q1049-01	4					150	9.49	0.04	-	0		
Q1066-02	1	No	6.50	N/A	20.20	0.5	9.61	7.66	-	0	909.75	
Q1066-02	2					1	9.52	6.12	3.4	843		
Q1066-02	3					2	9.47	2.37	7.1	976.5		
Q1066-02	4					3	9.42	0.08	-	0		
Q1066-02DUP	1	No	6.50	N/A	20.20	0.5	9.61	7.74	-	0	894.75	
Q1066-02DUP	2					1	9.52	6.23	3.29	810		
Q1066-02DUP	3					2	9.46	2.34	7.12	979.5		
Q1066-02DUP	4					3	9.40	0.07	-	0		
Q1070-01	1	No	7.90	7.47	20.20	2	9.47	8.98	-	0	57.72	pH Adjusted
Q1070-01	2					10	9.28	6.23	3.05	73.8		
Q1070-01	3					50	9.01	1.48	7.53	41.64		
Q1070-01	4					100	8.07	0.09	-	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.