

BOD5 LOG

ANALYST: rubin
Inst Id :DO METER
LB :LB137215

Reviewed By:Iwona
On:9/22/2025 2:50:26
PM

SUPERVISOR: Iwona

QC BATCH ID: LB137215

Analysis Date: 09/17/2025

BOD Water: WP114800

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP114802

NaOH, 1N: WP113878

GGA: WP114801

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

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	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.8	19.4	9.6	9.6

Meter Calibration1: 9.24

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.79

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB137215

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 10:15

TIME OUT: 10:00

DATE IN: 09/17/2025

DATE OUT: 09/22/2025

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
LB137215BL	1	No	6.63	N/A	20.90	300	9.69	9.67	0.02	0.02	0.02	
POLYSEED	1					10	9.67	6.16	3.51	0.7	0.72	
POLYSEED	2					15	9.64	4.02	5.62	0.75		
POLYSEED	3					20	9.60	2.48	7.12	0.71		
GGA	1					6	9.62	5.57	4.05	166.5	172.5	
GGA	2					6	9.60	5.40	4.2	174		
GGA	3					6	9.59	5.33	4.26	177		
Q3019-03	1	No	2.61	N/A	20.90	1	9.68	8.14	-	0	70.05	
Q3019-03	2					5	9.62	7.84	-	0		
Q3019-03	3					20	9.50	4.11	5.39	70.05		
Q3019-03	4					50	9.28	0.38	-	0		
Q3019-03	5					100	8.92	0.15	-	0		
Q3103-01	1	No	7.30	N/A	20.40	5	9.67	8.65	-	0	18.62	
Q3103-01	2					20	9.45	7.38	2.07	20.25		
Q3103-01	3					50	9.20	5.65	3.55	16.98		
Q3103-01	4					150	8.90	0.59	-	0		
Q3103-01DUP	1	No	7.30	N/A	20.40	5	9.65	8.58	-	0	19.55	
Q3103-01DUP	2					20	9.45	7.28	2.17	21.75		
Q3103-01DUP	3					50	9.21	5.60	3.61	17.34		
Q3103-01DUP	4					150	8.92	0.52	-	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.