

BOD5 LOG

ANALYST: rubin
Inst Id :DO METER
LB :LB134708

Reviewed By:Iwona
On:2/18/2025 4:37:17
PM

SUPERVISOR: Iwona

QC BATCH ID: LB134708

Analysis Date: 02/13/2025

BOD Water: WP111909

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111911

NaOH, 1N: WP111323

GGA: WP111910

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111875

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: 9.48

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 9.37

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB134708

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 16:20

TIME OUT: 12:00

DATE IN: 02/13/2025

DATE OUT: 02/18/2025

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
LB134708BL	1	No	6.58	N/A	20.80	300	9.58	9.56	0.02	0.02	0.02	
POLYSEED	1					10	9.54	6.29	3.25	0.65	0.63	
POLYSEED	2					15	9.51	4.79	4.72	0.63		
POLYSEED	3					20	9.48	3.29	6.19	0.62		
GGA	1					6	9.54	5.05	4.49	193	198.5	
GGA	2					6	9.51	4.70	4.81	209		
GGA	3					6	9.51	5.01	4.5	193.5		
Q1359-01	1	No	7.73	7.38	20.40	0.01	9.52	5.31	4.21	107400	107400	pH Adjusted
Q1359-01	2					0.05	9.44	0.12	-	0		
Q1359-01	3					0.1	9.42	0.09	-	0		
Q1359-01	4					0.5	9.41	0.07	-	0		
Q1359-01	5					1	9.37	0.05	-	0		
Q1359-05	1	No	6.11	6.91	20.30	0.01	9.49	8.10	-	0	16755	pH Adjusted
Q1359-05	2					0.05	9.43	5.86	3.57	17640		
Q1359-05	3					0.1	9.35	3.43	5.92	15870		
Q1359-05	4					0.5	9.05	0.10	-	0		
Q1359-05	5					1	8.28	0.06	-	0		
Q1361-02	1	No	6.50	N/A	20.20	0.5	9.52	7.11	2.41	1068	982.5	
Q1361-02	2					1	9.38	5.70	3.68	915		
Q1361-02	3					2	9.30	2.24	7.06	964.5		
Q1361-02	4					3	9.15	0.11	-	0		
Q1361-02DUP	1	No	6.50	N/A	20.20	0.5	9.52	6.97	2.55	1152	998.5	
Q1361-02DUP	2					1	9.36	5.85	3.51	864		
Q1361-02DUP	3					2	9.31	2.15	7.16	979.5		
Q1361-02DUP	4					3	9.15	0.10	-	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.