

BOD5 LOG

ANALYST: rubin
Inst Id :DO METER
LB :LB135199

Reviewed By:Iwona
On:3/31/2025 3:02:04
PM

SUPERVISOR: Iwona

QC BATCH ID: LB135199

Analysis Date: 03/26/2025

BOD Water: WP112508

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112510

NaOH, 1N: WP111323

GGA: WP112509

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP112277

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.6	19.00	9.4	9.4

Meter Calibration1: 9.05

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 7.78

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB135199

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:20

TIME OUT: 13:00

DATE IN: 03/26/2025

DATE OUT: 03/31/2025

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
LB135199BL	1	No	6.64	N/A	20.70	300	9.45	9.43	0.02	0.02	0.02	
POLYSEED	1					10	9.38	6.12	3.26	0.65	0.64	
POLYSEED	2					15	9.35	4.80	4.55	0.61		
POLYSEED	3					20	9.33	2.68	6.65	0.67		
GGA	1					6	9.40	4.80	4.6	198	201.83	
GGA	2					6	9.38	4.74	4.64	200		
GGA	3					6	9.38	4.59	4.79	207.5		
Q1644-03	1	No	8.36	7.12	20.60	5	9.39	7.87	-	0	24.62	pH Adjusted
Q1644-03	2					20	9.18	6.99	2.19	23.25		
Q1644-03	3					50	9.00	4.03	4.97	25.98		
Q1644-03	4					150	7.61	0.09	-	0		
Q1658-02	1	No	6.96	N/A	20.40	0.5	9.39	7.22	2.17	918	774.25	
Q1658-02	2					1	9.35	6.71	2.64	600		
Q1658-02	3					2	9.32	2.62	6.7	909		
Q1658-02	4					3	9.26	1.92	7.34	670		
Q1658-02DUP	1	No	6.96	N/A	20.40	0.5	9.38	7.33	2.05	846	764.75	
Q1658-02DUP	2					1	9.34	6.59	2.75	633		
Q1658-02DUP	3					2	9.30	2.60	6.7	909		
Q1658-02DUP	4					3	9.24	1.89	7.35	671		

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.

WORKLIST(Hardcopy Internal Chain)

LB135199

WorkList Name : BOD5-3-26

WorkList ID : 188556

Department : Wet-Chemistry

Date : 03-26-2025 14:04:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1644-03 H	031925	Water	BOD5	Cool 4 deg C	PSEG03	I31	03/25/2025	SM5210 B
Q1658-02 A	COMP	Water	BOD5	Cool 4 deg C	ARAM01	F11	03/26/2025	SM5210 B

Date/Time 03/26/2025 12:45
 Raw Sample Received by: RM (w/c)
 Raw Sample Relinquished by: RM (w/c)

Date/Time 03/26/2025 16:30
 Raw Sample Received by: RM (w/c)
 Raw Sample Relinquished by: RM (w/c)