

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 06/18/2025

QC BATCH ID: LB136184

BOD Water: WP113565

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113566

GGA: WP113567

Chlorine Strips: W3155

pH Strips: W3215

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP113147

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 9.86

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.92

After Incubation

Meter Calibration2: 8.36

Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB136184

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 09:25

TIME OUT: 09:45

DATE IN: 06/18/2025

DATE OUT: 06/23/2025

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
LB136184BL	1	No	6.61	N/A	20.90	300	9.92	9.90	0.02	0.02	0.02	
POLYSEED	1					10	9.72	7.29	2.43	0.49	0.59	
POLYSEED	2					15	9.69	5.10	4.59	0.61		
POLYSEED	3					20	9.68	3.01	6.67	0.67		
GGA	1					6	9.72	5.33	4.39	190	197.67	
GGA	2					6	9.69	5.10	4.59	200		
GGA	3					6	9.67	5.02	4.65	203		
Q2344-01	1	No	6.16	6.67	20.10	5	9.74	8.90	-	0	5.7	pH Adjusted
Q2344-01	2					20	9.68	8.68	-	0		
Q2344-01	3					50	9.66	8.02	-	0		
Q2344-01	4					150	9.64	6.20	3.44	5.7		
Q2344-01DUP	1	No	6.15	6.67	20.10	5	9.73	8.88	-	0	5.88	pH Adjusted
Q2344-01DUP	2					20	9.72	8.70	-	0		
Q2344-01DUP	3					50	9.68	8.22	-	0		
Q2344-01DUP	4					150	9.65	6.12	3.53	5.88		
Q2344-03	1	No	6.86	6.86	20.30	5	9.71	8.70	-	0	14.73	pH Adjusted
Q2344-03	2					20	9.70	8.49	-	0		
Q2344-03	3					50	9.67	6.49	3.18	15.54		
Q2344-03	4					150	9.64	2.09	7.55	13.92		
Q2344-05	1	No	6.81	6.81	20.40	5	9.68	8.80	-	0	11.22	pH Adjusted
Q2344-05	2					20	9.59	8.19	-	0		
Q2344-05	3					50	9.58	7.12	2.46	11.22		
Q2344-05	4					150	9.09	0.35	-	0		
Q2344-07	1	No	6.83	6.83	20.50	5	9.72	8.71	-	0	8.43	pH Adjusted
Q2344-07	2					20	9.69	7.92	-	0		
Q2344-07	3					50	9.57	7.57	2	8.46		
Q2344-07	4					150	9.07	4.28	4.79	8.4		

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)

LB 136184

WorkList Name : BOD-061725

WorkList ID : 190262

Department : Wet-Chemistry

Date : 06-18-2025 12:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2344-01	MW-1	Water	BOD5	Cool 4 deg C	LOCK01	D31	06/16/2025	SM5210 B
Q2344-03	MW-3	Water	BOD5	Cool 4 deg C	LOCK01	D31	06/16/2025	SM5210 B
Q2344-05	MW-4	Water	BOD5	Cool 4 deg C	LOCK01	D31	06/16/2025	SM5210 B
Q2344-07	MW-2	Water	BOD5	Cool 4 deg C	LOCK01	D31	06/16/2025	SM5210 B

Date/Time 06/18/25 09:00
 Raw Sample Received by: R (X)
 Raw Sample Relinquished by: S (X)

Date/Time 06/18/25 11:15
 Raw Sample Received by: S (X)
 Raw Sample Relinquished by: R (X)