

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/01/2025

QC BATCH ID: LB137381

BOD Water: WP114992

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP114994

NaOH, 1N: WP113878

GGA: WP114993

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP114920

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: 9.45

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.67

After Incubation

Meter Calibration2: 8.34

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB137381

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 09:30

TIME OUT: 10:00

DATE IN: 10/01/2025

DATE OUT: 10/06/2025

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
LB137381BL	1	No	9.65	N/A	20.80	300	9.66	9.64	0.02	0.02	0.02	
POLYSEED	1					10	9.62	6.25	3.37	0.67	0.67	
POLYSEED	2					15	9.60	4.53	5.07	0.68		
POLYSEED	3					20	9.57	2.99	6.58	0.66		
GGA	1					6	9.60	5.39	4.21	177	182.5	
GGA	2					6	9.59	5.25	4.34	183.5		
GGA	3					6	9.60	5.19	4.41	187		
Q3254-01	1	No	6.23	6.84	20.00	5	9.57	8.85	-	0		pH Adjusted
Q3254-01	2					20	9.54	8.62	-	0		
Q3254-01	3					50	9.49	8.45	-	0		
Q3254-01	4					150	9.47	8.02	-	0		
Q3254-01DUP	1	No	6.23	6.84	20.00	5	9.57	8.89	-	0		pH Adjusted
Q3254-01DUP	2					20	9.53	8.70	-	0		
Q3254-01DUP	3					50	9.48	8.29	-	0		
Q3254-01DUP	4					150	9.45	8.11	-	0		
Q3254-03	1	No	6.68	N/A	20.00	5	9.47	8.69	-	0	42.12	
Q3254-03	2					20	9.42	6.13	3.29	39.3		
Q3254-03	3					50	9.22	1.06	8.16	44.94		
Q3254-03	4					150	8.39	0.36	-	0		
Q3254-05	1	No	6.77	N/A	20.00	5	9.49	7.63	-	0	25.65	
Q3254-05	2					20	9.45	6.84	2.61	29.1		
Q3254-05	3					50	9.41	5.04	4.37	22.2		
Q3254-05	4					150	9.16	0.66	-	0		
Q3254-07	1	No	6.72	N/A	20.00	5	9.44	7.46	-	0	44.55	
Q3254-07	2					20	9.36	5.35	4.01	50.1		
Q3254-07	3					50	9.22	2.05	7.17	39		
Q3254-07	4					150	8.63	0.12	-	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.

WORKLIST(Hardcopy Internal Chain)

06137381

WorkList Name : bod5-9-30

WorkList ID : 192198

Department : Wet-Chemistry

Date : 09-30-2025 16:35:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3254-01	MW-1	Water	BOD5	Cool 4 deg C	LOCK01	D31	09/29/2025	SM5210 B
Q3254-03	MW-2	Water	BOD5	Cool 4 deg C	LOCK01	D31	09/29/2025	SM5210 B
Q3254-05	MW-3	Water	BOD5	Cool 4 deg C	LOCK01	D31	09/29/2025	SM5210 B
Q3254-07	MW-4	Water	BOD5	Cool 4 deg C	LOCK01	D31	09/29/2025	SM5210 B

Date/Time 10/01/2025 07:30
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JRC/CWC

Date/Time 10/01/2025 10:00
 Raw Sample Received by: JRC/CWC
 Raw Sample Relinquished by: RM CWC