

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 11/19/2025

QC BATCH ID: LB137968

BOD Water: WP115744

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP115746

GGA: WP115745

Chlorine Strips: W3155

pH Strips: W3241

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3248

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP115341

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	9.6	19.1	9.5	9.5

Meter Calibration1: 9.45

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.57

After Incubation

Meter Calibration2: 8.63

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB137968

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 12:20

TIME OUT: 09:15

DATE IN: 11/19/2025

DATE OUT: 11/24/2025

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
LB137968BL	1	No	6.62	N/A	20.90	300	9.57	9.55	0.02	0.02	0.02	
POLYSEED	1					10	9.48	6.37	3.11	0.62	0.63	
POLYSEED	2					15	9.45	4.77	4.68	0.62		
POLYSEED	3					20	9.41	3.02	6.39	0.64		
GGA	1					6	9.46	5.44	4.02	169.5	172.33	
GGA	2					6	9.46	5.32	4.14	175.5		
GGA	3					6	9.47	5.40	4.07	172		
Q3660-01	1	No	12.93	7.39	20.00	5	9.47	8.82	-	0	5.2	pH Adjusted
Q3660-01	2					20	9.45	8.55	-	0		
Q3660-01	3					50	9.43	8.09	-	0		
Q3660-01	4					150	9.42	6.19	3.23	5.2		
Q3660-01DUP	1	No	12.93	7.39	20.00	5	9.48	8.62	-	0	5.28	pH Adjusted
Q3660-01DUP	2					20	9.45	8.38	-	0		
Q3660-01DUP	3					50	9.44	7.99	-	0		
Q3660-01DUP	4					150	9.41	6.14	3.27	5.28		

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)

16137968

WorkList Name : BOD-3660

WorkList ID : 193221

Department : Wet-Chemistry

Date : 11-19-2025 09:45:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3660-01	FRAC-TANK-M21012	Water	BOD5	Cool 4 deg C	PSEG03	D41	11/17/2025	SM5210 B

Date/Time 11/19/2025 11:00
 Raw Sample Received by: RM CWB
 Raw Sample Relinquished by: RM CWB

Date/Time 11/19/2025 17:40
 Raw Sample Received by: RM CWB
 Raw Sample Relinquished by: RM CWB