

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/29/2025

QC BATCH ID: LB137699

BOD Water: WP115379

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP115381

GGA: WP115380

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	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.7	19.3	9.6	9.6

Meter Calibration1: 9.22 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.73 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB137699

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:35

TIME OUT: 12:00

DATE IN: 10/29/2025

DATE OUT: 11/03/2025

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
LB137699BL	1	No	6.58	N/A	20.90	300	9.68	9.67	0.01	0.01	0.01	
POLYSEED	1					10	9.60	6.77	2.83	0.57	0.63	
POLYSEED	2					15	9.57	4.48	5.09	0.68		
POLYSEED	3					20	9.51	3.21	6.3	0.63		
GGA	1					6	9.55	5.14	4.41	189	193.5	
GGA	2					6	9.55	5.02	4.53	195		
GGA	3					6	9.51	4.95	4.56	196.5		
Q3477-03	1	No	7.09	N/A	20.00	5	9.68	8.86	-	0		
Q3477-03	2					20	9.67	8.74	-	0		
Q3477-03	3					50	9.65	8.51	-	0		
Q3477-03	4					150	9.63	8.28	-	0		
Q3477-03DUP	1	No	7.09	N/A	20.00	5	9.67	8.95	-	0		
Q3477-03DUP	2					20	9.66	8.68	-	0		
Q3477-03DUP	3					50	9.64	8.56	-	0		
Q3477-03DUP	4					150	9.63	8.21	-	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)

16137699

WorkList Name : BOD5-10-29

WorkList ID : 192763

Department : Wet-Chemistry

Date : 10-29-2025 13:36:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3477-03	SOUTH-MAHWAH-WATER	Water	BOD5	Cool 4 deg C	PSEG03	D41	10/28/2025	SM5210 B

Date/Time 10/29/2025 15:15
 Raw Sample Received by: RM wcy
 Raw Sample Relinquished by: [Signature]

Date/Time 10/29/2025 16:50
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RM wcy