

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/25/2025

QC BATCH ID: LB136970

BOD Water: WP114405

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114407

GGA: WP114406

Chlorine Strips: W3155

pH Strips: W3140

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP114418

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	10.1	10.1	10.1
WINKLER 2	WINKLER 2	2	300	10.2	20.3	10.1	10.1

Meter Calibration1: 8.15

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

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 10.18

After Incubation

Meter Calibration2: 7.99

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136970

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 17:20

TIME OUT: 13:20

DATE IN: 08/25/2025

DATE OUT: 08/30/2025

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
LB136970BL	1	No	6.69	N/A	20.80	300	10.17	10.15	0.02	0.02	0.02	
POLYSEED	1					10	10.09	6.48	3.61	0.72	0.74	
POLYSEED	2					15	10.03	4.19	5.84	0.78		
POLYSEED	3					20	10.00	2.93	7.07	0.71		
GGA	1					6	10.05	5.59	4.46	186	191	
GGA	2					6	10.05	5.45	4.6	193		
GGA	3					6	10.01	5.39	4.62	194		
Q2954-11	1	No	6.20	6.99	20.50	5	10.09	8.74	-	0	3.62	pH Adjusted
Q2954-11	2					20	10.05	8.43	-	0		
Q2954-11	3					50	9.99	8.17	-	0		
Q2954-11	4					150	9.95	7.40	2.55	3.62		
Q2954-11DUP	1	No	6.20	6.99	20.50	5	10.08	8.83	-	0	3.52	pH Adjusted
Q2954-11DUP	2					20	10.04	8.57	-	0		
Q2954-11DUP	3					50	9.98	8.02	-	0		
Q2954-11DUP	4					150	9.94	7.44	2.5	3.52		

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)

06136970

WorkList Name : bod5-2954

WorkList ID : 191507

Department : Wet-Chemistry

Date : 08-25-2025 13:41:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2954-11	BRIDGE	Water	BOD5	Cool 4 deg C	PSEG03	D41	08/25/2025	SM5210 B

Date/Time 08/25/2025 14:10
Raw Sample Received by: RM (wr)
Raw Sample Relinquished by: JP (wr)

Date/Time 08/25/2025 17:30
Raw Sample Received by: JP (wr)
Raw Sample Relinquished by: RM (wr)