

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 06/26/2025

QC BATCH ID: LB136297

BOD Water: WP113723

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113725

GGA: WP113724

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: WP113605

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	9.7	19.2	9.5	9.5

Meter Calibration1: 9.12

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 8.79

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB136297

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:40

TIME OUT: 11:30

DATE IN: 06/26/2025

DATE OUT: 07/01/2025

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
LB136297BL	1	No	6.60	N/A	20.80	300	9.59	9.57	0.02	0.02	0.02	
POLYSEED	1					10	9.54	6.17	3.37	0.67	0.64	
POLYSEED	2					15	9.51	4.78	4.73	0.63		
POLYSEED	3					20	9.49	3.29	6.2	0.62		
GGA	1					6	9.55	5.41	4.14	175	179.33	
GGA	2					6	9.53	5.23	4.3	183		
GGA	3					6	9.53	5.29	4.24	180		
Q2417-02	1	No	7.24	N/A	20.20	5	9.53	8.81	-	0	480.33	
Q2417-02	2					10	9.49	7.10	2.39	525		
Q2417-02	3					20	9.47	6.95	2.52	282		
Q2417-02	4					30	9.33	2.35	6.98	634		
Q2417-02DUP	1	No	7.24	N/A	20.20	5	9.53	8.69	-	0	485.33	
Q2417-02DUP	2					10	9.48	7.00	2.48	552		
Q2417-02DUP	3					20	9.45	6.91	2.54	285		
Q2417-02DUP	4					30	9.32	2.49	6.83	619		
Q2418-01	1	No	7.48	N/A	20.90	5	9.51	6.00	3.51	172.2	172.2	
Q2418-01	2					20	9.24	0.35	-	0		
Q2418-01	3					50	8.30	0.28	-	0		
Q2418-01	4					150	5.08	0.15	-	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)

6136297

WorkList Name : BOD5-06-26 WorkList ID : 190416 Department : Wet-Chemistry Date : 06-26-2025 13:10:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2417-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D51	06/25/2025	SM5210 B
Q2418-01	VAC-TRUCK-4074	Water	BOD5	Cool 4 deg C	PSEG03	D41	06/25/2025	SM5210 B

Date/Time 06/26/2025 14:30
 Raw Sample Received by: RTWC
 Raw Sample Relinquished by: RTWC

Date/Time 06/26/2025 16:50
 Raw Sample Received by: RTWC
 Raw Sample Relinquished by: RTWC