

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 06/18/2025

QC BATCH ID: LB136209

BOD Water: WP113565

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP113566

NaOH, 1N: WP111323

GGA: WP113567

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP113147

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 9.86 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.92

After Incubation

Meter Calibration2: 8.36 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB136209

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:00

TIME OUT: 12:00

DATE IN: 06/18/2025

DATE OUT: 06/23/2025

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
LB136209BL	1	No	6.61	N/A	20.90	300	9.92	9.90	0.02	0.02	0.02	
POLYSEED	1					10	9.72	7.29	2.43	0.49	0.58	
POLYSEED	2					15	9.69	5.11	4.58	0.61		
POLYSEED	3					20	9.68	3.15	6.53	0.65		
GGA	1					6	9.72	5.38	4.34	188	197	
GGA	2					6	9.69	5.12	4.57	199.5		
GGA	3					6	9.67	5.02	4.65	203.5		
Q2360-02	1	No	6.18	6.65	20.60	5	9.68	5.70	3.98	2040	1803	pH Adjusted
Q2360-02	2					10	9.65	3.85	5.8	1566		
Q2360-02	3					20	9.64	0.86	-	0		
Q2360-02	4					30	9.61	0.15	-	0		
Q2360-02DUP	1	No	6.19	6.65	20.40	5	9.66	5.89	3.77	1914	1734	pH Adjusted
Q2360-02DUP	2					10	9.65	3.89	5.76	1554		
Q2360-02DUP	3					20	9.63	0.94	-	0		
Q2360-02DUP	4					30	6.60	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)

LB 36209

WorkList Name : BOD-061825

WorkList ID : 190282

Department : Wet-Chemistry

Date : 06-18-2025 14:56:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2360-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D41	06/18/2025	SM5210 B

Date/Time 06/18/25 16:40
 Raw Sample Received by: 121501
 Raw Sample Relinquished by: 201602

Date/Time 06/18/25 17:10
 Raw Sample Received by: 201602
 Raw Sample Relinquished by: 121501