

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 06/05/2025

QC BATCH ID: LB136028

BOD Water: WP113406

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP113408

NaOH, 1N: WP111323

GGA: WP113407

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3140

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	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 9.32

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.98

After Incubation

Meter Calibration2: 8.93

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

Barometric Pressure2: 7.60 mmHg

QC BATCH ID: LB136028

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 15:30

TIME OUT: 10:45

DATE IN: 06/05/2025

DATE OUT: 06/10/2025

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
LB136028BL	1	No	6.58	N/A	20.90	300	9.98	9.96	0.02	0.02	0.02	
POLYSEED	1					10	9.95	5.99	3.96	0.79	0.72	
POLYSEED	2					15	9.92	4.81	5.11	0.68		
POLYSEED	3					20	9.85	2.95	6.9	0.69		
GGA	1					6	9.85	5.08	4.77	202.5	210.33	
GGA	2					6	9.85	4.91	4.94	211		
GGA	3					6	9.89	4.82	5.07	217.5		
Q2229-02	1	No	5.96	6.89	20.90	5	9.95	8.46	-	0	443.5	pH Adjusted
Q2229-02	2					10	9.90	7.48	2.42	510		
Q2229-02	3					20	9.84	6.33	3.51	418.5		
Q2229-02	4					30	9.75	5.01	4.74	402		
Q2229-02DUP	1	No	5.96	6.89	20.90	5	9.95	8.75	-	0	423.5	pH Adjusted
Q2229-02DUP	2					10	9.92	7.52	2.4	504		
Q2229-02DUP	3					20	9.82	6.51	3.31	388.5		
Q2229-02DUP	4					30	9.72	5.22	4.5	378		
Q2237-02	1	No	11.53	7.39	20.50	5	9.96	4.35	5.61	293.4	293.4	pH Adjusted
Q2237-02	2					20	9.90	0.21	-	0		
Q2237-02	3					50	9.52	0.19	-	0		
Q2237-02	4					150	6.92	0.13	-	0		
Q2243-01	1	No	9.10	7.02	20.60	5	9.95	7.96	-	0	47.07	pH Adjusted
Q2243-01	2					20	9.80	5.56	4.24	52.8		
Q2243-01	3					50	9.72	2.11	7.61	41.34		
Q2243-01	4					150	8.12	0.33	-	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.