

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 04/18/2025

QC BATCH ID: LB135493

BOD Water: WP112768

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112771

NaOH, 1N: WP111323

GGA: WP112769

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3140

Zero DO: WP112724

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.7	9.7	9.7
WINKLER 2	WINKLER 2	2	300	9.9	19.6	9.7	9.7

Meter Calibration1: 9.73

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.79

After Incubation

Meter Calibration2: 9.75

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB135493

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 13:45

TIME OUT: 14:00

DATE IN: 04/18/2025

DATE OUT: 04/23/2025

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
LB135493BL	1	No	6.61	N/A	20.90	300	9.78	9.77	0.01	0.01	0.01	
POLYSEED	1					10	9.68	6.73	2.95	0.59	0.66	
POLYSEED	2					15	9.59	4.23	5.36	0.71		
POLYSEED	3					20	9.54	2.61	6.93	0.69		
GGA	1					6	9.66	4.86	4.8	207	207.67	
GGA	2					6	9.64	4.63	5.01	217.5		
GGA	3					6	9.62	4.99	4.63	198.5		
Q1831-01	1	No	7.93	7.34	20.40	2	9.68	8.01	-	0	45.3	pH Adjusted
Q1831-01	2					10	9.58	7.61	-	0		
Q1831-01	3					50	9.54	1.33	8.21	45.3		
Q1831-01	4					100	9.25	0.27	-	0		
Q1831-01DUP	1	No	7.93	7.34	20.40	2	9.67	8.30	-	0	45.81	pH Adjusted
Q1831-01DUP	2					10	9.59	7.41	2.18	45.6		
Q1831-01DUP	3					50	9.52	1.19	8.33	46.02		
Q1831-01DUP	4					100	9.25	0.20	-	0		
Q1833-02	1	No	9.80	7.46	20.20	0.5	9.58	6.70	2.88	1332	1099	pH Adjusted
Q1833-02	2					1	9.54	4.91	4.63	1191		
Q1833-02	3					2	9.41	3.59	5.82	774		
Q1833-02	4					3	9.38	0.50	-	0		
Q1835-01	1	No	7.24	N/A	20.00	0.01	9.51	7.11	2.4	52200	33970	
Q1835-01	2					0.05	9.43	3.66	5.77	30660		
Q1835-01	3					0.1	9.41	2.40	7.01	19050		
Q1835-01	4					0.5	9.24	0.08	-	0		
Q1835-01	5					1	8.91	0.06	-	0		
Q1835-05	1	No	4.46	6.79	20.00	0.01	9.38	8.87	-	0	16665	pH Adjusted
Q1835-05	2					0.05	9.27	5.09	4.18	21120		
Q1835-05	3					0.1	9.23	4.50	4.73	12210		
Q1835-05	4					0.5	9.11	0.39	-	0		
Q1835-05	5					1	9.02	0.05	-	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.