

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 04/04/2025

QC BATCH ID: LB135306

BOD Water: WP112606

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP112608

GGA: WP112607

Chlorine Strips: W3155

pH Strips: W3140

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP112277

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: 9.17

Zero DO Reading1: 0.16 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.74

After Incubation

Meter Calibration2: 7.78

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB135306

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 16:45

TIME OUT: 13:10

DATE IN: 04/04/2025

DATE OUT: 04/09/2025

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
LB135306BL	1	No	6.59	N/A	20.90	300	9.74	9.72	0.02	0.02	0.02	
POLYSEED	1					10	9.71	6.28	3.43	0.69	0.72	
POLYSEED	2					15	9.69	4.02	5.67	0.76		
POLYSEED	3					20	9.66	2.58	7.08	0.71		
GGA	1					6	9.65	5.39	4.26	177	182.17	
GGA	2					6	9.62	5.22	4.4	184		
GGA	3					6	9.62	5.19	4.43	185.5		
Q1717-01	1	No	7.37	N/A	20.50	0.5	9.64	6.06	3.58	1716	1743	
Q1717-01	2					1	9.58	2.96	6.62	1770		
Q1717-01	3					2	9.55	0.11	-	0		
Q1717-01	4					5	9.48	0.09	-	0		
Q1717-01	5					10	9.34	0.04	-	0		
Q1717-05	1	No	4.40	6.81	20.60	0.01	9.57	7.97	-	0	11295	pH Adjusted
Q1717-05	2					0.05	9.53	7.09	2.44	10320		
Q1717-05	3					0.1	9.48	4.67	4.81	12270		
Q1717-05	4					0.5	9.45	0.07	-	0		
Q1717-05	5					1	9.40	0.04	-	0		
Q1717-05DUP	1	No	4.40	6.81	20.60	0.01	9.59	7.89	-	0	11310	pH Adjusted
Q1717-05DUP	2					0.05	9.53	7.17	2.36	9840		
Q1717-05DUP	3					0.1	9.47	4.49	4.98	12780		
Q1717-05DUP	4					0.5	9.46	0.08	-	0		
Q1717-05DUP	5					1	9.40	0.04	-	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.