

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 04/02/2025

QC BATCH ID: LB135279

BOD Water: WP112567

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112569

NaOH, 1N: WP111323

GGA: WP112568

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

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

Meter Calibration1: 8.76 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 776 mmHg DO Meter BOD fluid reading for winkler comparison: 9.89

After Incubation

Meter Calibration2: 9.13 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB135279

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:00

TIME OUT: 12:00

DATE IN: 04/02/2025

DATE OUT: 04/07/2025

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
LB135279BL	1	No	6.63	N/A	20.90	300	9.89	9.87	0.02	0.02	0.02	
POLYSEED	1					10	9.87	6.27	3.6	0.72	0.73	
POLYSEED	2					15	9.83	4.08	5.75	0.77		
POLYSEED	3					20	9.77	2.68	7.09	0.71		
GGA	1					6	9.85	5.10	4.75	201	188.17	
GGA	2					6	9.85	5.02	4.83	205		
GGA	3					6	9.83	5.93	3.9	158.5		
Q1703-02	1	No	6.22	6.97	20.60	0.5	9.85	7.02	2.83	1260	1239.5	pH Adjusted
Q1703-02	2					1	9.81	4.03	5.78	1515		
Q1703-02	3					2	9.74	2.72	7.02	943.5		
Q1703-02	4					3	9.68	0.06	-	0		
Q1703-02DUP	1	No	6.22	6.97	20.60	0.5	9.86	6.90	2.96	1338	1251.5	pH Adjusted
Q1703-02DUP	2					1	9.82	4.20	5.62	1467		
Q1703-02DUP	3					2	9.74	2.68	7.06	949.5		
Q1703-02DUP	4					3	9.68	0.08	-	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.