

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 04/11/2025

QC BATCH ID: LB135390

BOD Water: WP112675

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP112677

GGA: WP112676

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: 9.46

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.79

After Incubation

Meter Calibration2: 9.51

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB135390

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 10:00

TIME OUT: 08:30

DATE IN: 04/11/2025

DATE OUT: 04/16/2025

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
LB135390BL	1	No	6.58	N/A	20.70	300	9.78	9.77	0.01	0.01	0.01	
POLYSEED	1					10	9.69	6.48	3.21	0.64	0.69	
POLYSEED	2					15	9.64	4.01	5.63	0.75		
POLYSEED	3					20	9.60	2.89	6.71	0.67		
GGA	1					6	9.71	5.21	4.5	190.5	196.83	
GGA	2					6	9.71	5.05	4.66	198.5		
GGA	3					6	9.70	4.98	4.72	201.5		
Q1782-01	1	No	5.95	6.95	20.00	5	9.70	8.89	-	0		pH Adjusted
Q1782-01	2					20	9.68	8.61	-	0		
Q1782-01	3					50	9.59	8.19	-	0		
Q1782-01	4					150	8.97	7.92	-	0		
Q1782-03	1	No	6.82	N/A	20.00	5	9.77	8.90	-	0		
Q1782-03	2					20	9.75	8.65	-	0		
Q1782-03	3					50	9.71	8.30	-	0		
Q1782-03	4					150	8.85	8.14	-	0		
Q1782-05	1	No	6.71	N/A	20.00	5	9.77	8.85	-	0		
Q1782-05	2					20	9.70	8.72	-	0		
Q1782-05	3					50	9.65	8.21	-	0		
Q1782-05	4					150	9.58	7.99	-	0		
Q1782-07	1	No	6.68	N/A	20.00	5	9.76	8.75	-	0		
Q1782-07	2					20	9.66	8.68	-	0		
Q1782-07	3					50	9.45	7.84	-	0		
Q1782-07	4					150	8.91	7.02	-	0		
Q1782-07DUP	1	No	6.68	N/A	20.00	5	9.76	8.85	-	0		
Q1782-07DUP	2					20	9.65	8.68	-	0		
Q1782-07DUP	3					50	9.42	7.73	-	0		
Q1782-07DUP	4					150	8.92	7.19	-	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)

L6135390

WorkList Name : bod5-04-11 WorkList ID : 188868 Department : Wet-Chemistry Date : 04-11-2025 07:40:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1782-01	MW-1	Water	BOD5	Cool 4 deg C	LOCK01	K11	04/09/2025	SM5210 B
Q1782-03	MW-2	Water	BOD5	Cool 4 deg C	LOCK01	K11	04/09/2025	SM5210 B
Q1782-05	MW-3	Water	BOD5	Cool 4 deg C	LOCK01	K11	04/09/2025	SM5210 B
Q1782-07	MW-4	Water	BOD5	Cool 4 deg C	LOCK01	K11	04/09/2025	SM5210 B

Date/Time 04/11/2025 08:00
 Raw Sample Received by: RM CWL
 Raw Sample Relinquished by: RM CWL

Date/Time 04/11/2025 09:30
 Raw Sample Received by: RM CWL
 Raw Sample Relinquished by: RM CWL