

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 11/19/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3248

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP115341

QC BATCH ID: LB137969

BOD Water: WP115744

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP115746

GGA: WP115745

Chlorine Strips: W3155

pH Strips: W3241

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.6	19.1	9.5	9.5

Meter Calibration1: 9.45

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.57

After Incubation

Meter Calibration2: 8.63

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

Barometric Pressure2: 9.56 mmHg

QC BATCH ID: LB137969

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 15:45

TIME OUT: 11:30

DATE IN: 11/19/2025

DATE OUT: 11/24/2025

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
LB137969BL	1	No	6.62	N/A	20.90	300	9.57	9.55	0.02	0.02	0.02	
POLYSEED	1					10	9.49	6.41	3.08	0.62	0.63	
POLYSEED	2					15	9.45	4.65	4.8	0.64		
POLYSEED	3					20	9.40	3.09	6.31	0.63		
GGA	1					6	9.45	5.46	3.99	168	170.17	
GGA	2					6	9.44	5.35	4.09	173		
GGA	3					6	9.44	5.42	4.02	169.5		
Q3675-02	1	No	6.71	N/A	20.00	5	9.48	8.74	-	0	228.5	
Q3675-02	2					10	9.42	7.89	-	0		
Q3675-02	3					20	9.37	7.02	2.35	258		
Q3675-02	4					30	9.32	6.70	2.62	199		
Q3675-02DUP	1	No	6.71	N/A	20.00	5	9.47	8.42	-	0	226.25	
Q3675-02DUP	2					10	9.44	7.68	-	0		
Q3675-02DUP	3					20	9.38	7.10	2.28	247.5		
Q3675-02DUP	4					30	9.30	6.62	2.68	205		
Q3676-01	1	No	6.67	N/A	20.20	1	9.44	8.12	-	0	98.25	
Q3676-01	2					2	9.37	8.31	-	0		
Q3676-01	3					5	9.26	6.78	2.48	111		
Q3676-01	4					10	9.20	5.72	3.48	85.5		
Q3676-04	1	No	6.69	N/A	20.20	1	9.46	3.77	5.69	1518	1518	
Q3676-04	2					2	9.37	0.47	-	0		
Q3676-04	3					5	9.33	0.34	-	0		
Q3676-04	4					10	9.28	0.20	-	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)

66137969

WorkList Name : BOD5-11-19

WorkList ID : 193222

Department : Wet-Chemistry

Date : 11-19-2025 11:47:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3675-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	E11	11/19/2025	SM5210 B
Q3676-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	E11	11/19/2025	SM5210 B
Q3676-04	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	E11	11/19/2025	SM5210 B

Date/Time 11/19/2025 14:10
 Raw Sample Received by: RM (wt)
 Raw Sample Relinquished by: SPCWC

Date/Time 11/19/2025 15:36
 Raw Sample Received by: SPCWC
 Raw Sample Relinquished by: RM (wt)