

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 05/09/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP112724

QC BATCH ID: LB135721

BOD Water: WP113018

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113020

GGA: WP113019

Chlorine Strips: W3155

pH Strips: W3140

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.8	19.4	9.6	9.6

Meter Calibration1: 9.28 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.64

After Incubation

Meter Calibration2: 8.66 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB135721

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:40

TIME OUT: 12:00

DATE IN: 05/09/2025

DATE OUT: 05/14/2025

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
LB135721BL	1	No	6.60	N/A	20.80	300	9.63	9.62	0.01	0.01	0.01	
POLYSEED	1					10	9.58	6.71	2.87	0.57	0.6	
POLYSEED	2					15	9.39	4.84	4.55	0.61		
POLYSEED	3					20	9.37	3.21	6.16	0.62		
GGA	1					6	9.61	5.41	4.2	180	183.67	
GGA	2					6	9.55	5.28	4.27	183.5		
GGA	3					6	9.55	5.20	4.35	187.5		
Q1981-02	1	No	6.15	6.94	20.60	0.5	9.49	8.77	-	0	341.83	pH Adjusted
Q1981-02	2					1	9.42	7.29	2.13	459		
Q1981-02	3					2	9.40	7.07	2.33	259.5		
Q1981-02	4					3	9.32	5.65	3.67	307		
Q1981-02DUP	1	No	6.15	6.94	20.60	0.5	9.48	8.92	-	0	344.67	pH Adjusted
Q1981-02DUP	2					1	9.43	7.35	2.08	444		
Q1981-02DUP	3					2	9.40	7.00	2.4	270		
Q1981-02DUP	4					3	9.32	5.52	3.8	320		
Q2005-01	1	No	7.07	N/A	20.70	5	9.37	1.01	8.36	465.6	465.6	
Q2005-01	2					20	8.96	0.19	-	0		
Q2005-01	3					50	7.95	0.10	-	0		
Q2005-01	4					150	3.79	0.09	-	0		
Q2006-02	1	No	8.24	7.02	20.30	0.5	9.44	6.08	3.36	1656	1247	pH Adjusted
Q2006-02	2					1	9.40	5.62	3.78	954		
Q2006-02	3					2	9.36	1.22	8.14	1131		
Q2006-02	4					3	9.26	0.54	-	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)

16135721

WorkList Name : bod5-5-09

WorkList ID : 189423

Department : Wet-Chemistry

Date : 05-09-2025 14:15:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1981-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L41	05/07/2025	SM5210 B
Q2005-01	252806	Water	BOD5	Cool 4 deg C	PSEG03	L41	05/09/2025	SM5210 B
Q2006-02	EFF-WW	Water	BOD5	Cool 4 deg C	ARDM01	L41	05/09/2025	SM5210 B

Date/Time 05/09/2025 15.10
 Raw Sample Received by: RM (w/c)
 Raw Sample Relinquished by: A (w/c)

Date/Time 05/09/2025 16.20
 Raw Sample Received by: Jd GORC
 Raw Sample Relinquished by: RM (w/c)