

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 02/20/2025

QC BATCH ID: LB134761

BOD Water: WP111987

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111989

GGA: WP111988

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: WP111875

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	10.00	10	10
WINKLER 2	WINKLER 2	2	300	10.3	20.3	10	10

Meter Calibration1: 10.03

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 10.23

After Incubation

Meter Calibration2: 9.23

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB134761

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 14:50

TIME OUT: 11:00

DATE IN: 02/20/2025

DATE OUT: 02/25/2025

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
LB134761BL	1	No	6.76	N/A	20.60	300	10.23	10.21	0.02	0.02	0.02	
POLYSEED	1					10	10.11	7.02	3.09	0.62	0.67	
POLYSEED	2					15	10.09	5.22	4.87	0.65		
POLYSEED	3					20	10.00	2.62	7.38	0.74		
GGA	1					6	10.15	5.05	5.1	221.5	224	
GGA	2					6	10.11	5.01	5.1	221.5		
GGA	3					6	10.11	4.86	5.25	229		
Q1387-02	1	No	5.95	6.72	20.20	0.5	10.10	8.82	-	0	592	pH Adjusted
Q1387-02	2					1	10.06	6.47	3.59	876		
Q1387-02	3					2	9.96	6.39	3.57	435		
Q1387-02	4					3	9.80	4.48	5.32	465		
Q1387-02DUP	1	No	5.95	6.72	20.20	0.5	10.09	8.91	-	0	596.33	pH Adjusted
Q1387-02DUP	2					1	10.06	6.54	3.52	855		
Q1387-02DUP	3					2	9.97	6.30	3.67	450		
Q1387-02DUP	4					3	9.78	4.27	5.51	484		
Q1393-05	1	No	6.90	N/A	20.60	5	10.04	10.01	-	0	4.28	
Q1393-05	2					20	10.02	9.75	-	0		
Q1393-05	3					50	10.01	9.55	-	0		
Q1393-05	4					150	9.87	7.06	2.81	4.28		

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)

16134761

WorkList Name : bod5-2-20

WorkList ID : 187798

Department : Wet-Chemistry

Date : 02-20-2025 09:22:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1387-02 B	COMP	Water	BOD5	Cool 4 deg C	ARAM01	H11	02/19/2025	SM5210 B
Q1393-05C1	PURGE-WATER-COMP	Water	BOD5	Cool 4 deg C	PSEG03	H21	02/19/2025	SM5210 B

Date/Time 02/20/2025 13:10
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: JPB (WC)

Date/Time 02/20/2025 14:15
Raw Sample Received by: JPB (WC)
Raw Sample Relinquished by: RM CWC