

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 04/10/2025

QC BATCH ID: LB135378

BOD Water: WP112647

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112649

NaOH, 1N: WP111323

GGA: WP112648

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	9.9	9.9	9.9
WINKLER 2	WINKLER 2	2	300	9.9	19.8	9.9	9.9

Meter Calibration1: 9.28

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.99

After Incubation

Meter Calibration2: 7.83

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

Barometric Pressure2: 750 mmHg

QC BATCH ID: LB135378

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:20

TIME OUT: 13:30

DATE IN: 04/10/2025

DATE OUT: 04/15/2025

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
LB135378BL	1	No	6.54	N/A	20.90	300	9.99	9.97	0.02	0.02	0.02	
POLYSEED	1					10	9.97	6.67	3.3	0.66	0.64	
POLYSEED	2					15	9.94	5.58	4.36	0.58		
POLYSEED	3					20	9.81	3.09	6.72	0.67		
GGA	1					6	9.94	5.60	4.34	185	191.17	
GGA	2					6	9.92	5.42	4.5	193		
GGA	3					6	9.92	5.37	4.55	195.5		
Q1766-01	1	No	7.04	N/A	20.00	5	9.90	8.87	-	0	26.22	
Q1766-01	2					20	9.88	7.83	2.05	21.15		
Q1766-01	3					50	9.87	2.25	7.62	41.88		
Q1766-01	4					150	9.84	1.39	8.45	15.62		
Q1766-03	1	No	6.76	N/A	20.00	5	9.90	8.00	-	0	33.6	
Q1766-03	2					20	9.87	6.63	3.24	39		
Q1766-03	3					50	9.85	4.51	5.34	28.2		
Q1766-03	4					150	9.82	0.20	-	0		
Q1766-05	1	No	6.88	N/A	20.00	5	9.94	8.72	-	0	4.62	
Q1766-05	2					20	9.91	8.50	-	0		
Q1766-05	3					50	9.82	8.09	-	0		
Q1766-05	4					150	9.77	6.82	2.95	4.62		
Q1770-02	1	No	5.49	7.02	20.00	0.5	9.94	6.99	2.95	1386	1143	pH Adjusted
Q1770-02	2					1	9.88	5.62	4.26	1086		
Q1770-02	3					2	9.79	2.77	7.02	957		
Q1770-02	4					3	9.73	0.20	-	0		
Q1770-02DUP	1	No	5.49	7.02	20.00	0.5	9.92	6.82	3.1	1476	1162.5	pH Adjusted
Q1770-02DUP	2					1	9.90	5.69	4.21	1071		
Q1770-02DUP	3					2	9.80	2.89	6.91	940.5		
Q1770-02DUP	4					3	9.72	0.22	-	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)

LB135378

WorkList Name : bod5-04-10

WorkList ID : 188838

Department : Wet-Chemistry

Date : 04-10-2025 08:15:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1766-01 C	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	L41	04/10/2025	SM5210 B
Q1766-03 C	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	L41	04/10/2025	SM5210 B
Q1766-05 C	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	L41	04/10/2025	SM5210 B
Q1770-02 A	COMP	Water	BOD5	Cool 4 deg C	ARAM01	F11	04/09/2025	SM5210 B

Date/Time 04/10/2025 14.10
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JH CWC

Date/Time 04/10/2025 15.20
 Raw Sample Received by: JH CWC
 Raw Sample Relinquished by: RM CWC