

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 05/22/2025

QC BATCH ID: LB135887

BOD Water: WP113196

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP113198

NaOH, 1N: WP111323

GGA: WP113197

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3140

Zero DO: WP113147

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 8.46

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

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.98

After Incubation

Meter Calibration2: 8.75

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

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB135887

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 08:50

TIME OUT: 09:00

DATE IN: 05/22/2025

DATE OUT: 05/27/2025

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
LB135887BL	1	No	6.58	N/A	20.90	300	9.98	9.96	0.02	0.02	0.02	
POLYSEED	1					10	9.94	6.72	3.22	0.64	0.68	
POLYSEED	2					15	9.92	4.61	5.31	0.71		
POLYSEED	3					20	9.87	3.09	6.78	0.68		
GGA	1					6	9.96	5.62	4.34	183	190.5	
GGA	2					6	9.95	5.42	4.53	192.5		
GGA	3					6	9.95	5.35	4.6	196		
Q2088-01	1	No	6.52	N/A	20.90	5	9.92	8.61	-	0	11.66	
Q2088-01	2					20	9.90	7.94	-	0		
Q2088-01	3					50	9.87	6.97	2.9	13.32		
Q2088-01	4					150	9.69	4.01	5.68	10		
Q2089-01	1	No	7.31	N/A	20.10	5	9.94	7.61	2.33	9900	6208.8	
Q2089-01	2					10	9.87	5.88	3.99	9930		
Q2089-01	3					20	9.74	5.11	4.63	5925		
Q2089-01	4					50	9.64	4.08	5.56	2928		
Q2089-01	5					100	9.60	1.05	8.55	2361		
Q2093-14	1	No	7.17	N/A	20.50	5	9.92	8.76	-	0	8.09	
Q2093-14	2					20	9.90	8.12	-	0		
Q2093-14	3					50	9.87	7.68	2.19	9.06		
Q2093-14	4					150	9.72	5.48	4.24	7.12		
Q2098-01	1	No	7.00	N/A	20.20	1	9.90	9.00	-	0	101.55	
Q2098-01	2					2	9.88	8.68	-	0		
Q2098-01	3					5	9.85	7.33	2.52	110.4		
Q2098-01	4					10	9.83	6.06	3.77	92.7		
Q2098-04	1	No	7.09	N/A	20.20	1	9.90	8.65	-	0	279.2	
Q2098-04	2					2	9.87	7.04	2.83	322.5		
Q2098-04	3					5	9.83	4.61	5.22	272.4		
Q2098-04	4					10	9.80	1.03	8.77	242.7		
Q2102-03	1	No	6.29	7.00	20.30	5	9.93	7.74	2.19	90.6	78.97	pH Adjuster
Q2102-03	2					20	9.90	4.73	5.17	67.35		
Q2102-03	3					50	9.80	0.18	-	0		
Q2102-03	4					150	8.57	0.10	-	0		
Q2105-02	1	No	6.14	7.12	20.60	5	9.92	7.36	2.56	1128	1015.5	pH Adjuster
Q2105-02	2					10	9.87	5.80	4.07	1017		
Q2105-02	3					20	9.80	3.11	6.69	901.5		
Q2105-02	4					30	9.74	0.12	-	0		
Q2105-02DUP	1	No	6.14	7.12	20.60	5	9.92	7.38	2.54	1116	1027	pH Adjuster
Q2105-02DUP	2					10	9.85	5.74	4.11	1029		
Q2105-02DUP	3					20	9.79	2.87	6.92	936		
Q2105-02DUP	4					30	9.72	0.10	-	0		
Q2106-01	1	No	12.04	7.38	20.90	5	9.95	3.09	6.86	370.8	370.8	pH Adjuster

Q2106-01	2					20	9.92	0.29	-	0		
Q2106-01	3					50	9.90	0.21	-	0		
Q2106-01	4					150	9.84	0.17	-	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)

6135887

WorkList Name : BOD5-5-21

WorkList ID : 189686

Department : Wet-Chemistry

Date : 05-21-2025 15:02:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2088-01	252820	Water	BOD5	Cool 4 deg C	PSEG03	L31	05/20/2025	SM5210 B
Q2089-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	L31	05/20/2025	SM5210 B
Q2093-14	WATER-COMP	Water	BOD5	Cool 4 deg C	PSEG03	L41	05/20/2025	SM5210 B
Q2098-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	L51	05/20/2025	SM5210 B
Q2098-04	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	L51	05/20/2025	SM5210 B
Q2102-03	LAW-25-0078	Water	BOD5	Cool 4 deg C	PSEG03	L21	05/21/2025	SM5210 B
Q2105-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L31	05/21/2025	SM5210 B
Q2106-01	TW-WTS-09	Water	BOD5	Cool 4 deg C	ENTA05	L31	05/19/2025	SM5210 B

Date/Time 05/22/2025 07:00
 Raw Sample Received by: RM WAC
 Raw Sample Relinquished by: [Signature]

Date/Time 05/22/2025 09:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RM WAC