

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 05/14/2025

QC BATCH ID: LB135774

BOD Water: WP113071

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113073

GGA: WP113072

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: 0511064

Zero DO: WP112724

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: 9.24

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.68

After Incubation

Meter Calibration2: 9.24

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB135774

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 14:30

TIME OUT: 14:45

DATE IN: 05/14/2025

DATE OUT: 05/19/2025

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
LB135774BL	1	No	6.59	N/A	20.90	300	9.68	9.66	0.02	0.02	0.02	
POLYSEED	1					10	9.55	6.37	3.18	0.64	0.67	
POLYSEED	2					15	9.50	4.19	5.31	0.71		
POLYSEED	3					20	9.49	2.97	6.52	0.65		
GGA	1					6	9.64	5.02	4.62	197.5	201	
GGA	2					6	9.62	4.97	4.65	199		
GGA	3					6	9.62	4.82	4.8	206.5		
Q2031-01	1	No	6.51	N/A	20.20	5	9.54	7.78	-	0	33.44	
Q2031-01	2					20	9.50	6.42	3.08	36.15		
Q2031-01	3					50	9.37	3.58	5.79	30.72		
Q2031-01	4					150	8.74	0.38	-	0		
Q2031-03	1	No	6.65	N/A	20.20	5	9.53	8.56	-	0	17.2	
Q2031-03	2					20	9.52	7.50	2.02	20.25		
Q2031-03	3					50	9.52	6.17	3.35	16.08		
Q2031-03	4					150	9.48	1.18	8.3	15.26		
Q2031-05	1	No	6.67	N/A	20.30	5	9.54	8.55	-	0	9.78	
Q2031-05	2					20	9.53	7.97	-	0		
Q2031-05	3					50	9.49	7.75	-	0		
Q2031-05	4					150	9.45	3.89	5.56	9.78		
Q2033-01	1	No	12.52	7.19	20.60	5	9.65	7.98	-	0	26.4	pH Adjusted
Q2033-01	2					20	9.62	7.19	2.43	26.4		
Q2033-01	3					50	9.59	0.59	-	0		
Q2033-01	4					150	9.55	0.38	-	0		
Q2036-02	1	No	10.15	7.40	20.60	5	9.66	7.45	2.21	924	622.88	pH Adjusted
Q2036-02	2					10	9.62	7.08	2.54	561		
Q2036-02	3					20	9.57	5.03	4.54	580.5		
Q2036-02	4					30	9.50	4.57	4.93	426		
Q2036-02DUP	1	No	10.15	7.40	20.60	5	9.65	7.33	2.32	990	641	pH Adjusted
Q2036-02DUP	2					10	9.62	7.00	2.62	585		
Q2036-02DUP	3					20	9.55	5.14	4.41	561		
Q2036-02DUP	4					30	9.50	4.55	4.95	428		

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)

6135774

WorkList Name : BOD5-5-14

WorkList ID : 189507

Department : Wet-Chemistry

Date : 05-14-2025 09:40:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2031-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	L41	05/13/2025	SM5210 B
Q2031-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	L41	05/13/2025	SM5210 B
Q2031-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	L41	05/13/2025	SM5210 B
Q2033-01	TW-WTS-08	Water	BOD5	Cool 4 deg C	ENTA05	L41	05/12/2025	SM5210 B

Date/Time 05/14/2025 12:00
 Raw Sample Received by: RM wsg
 Raw Sample Relinquished by: Mader

Date/Time 05/14/2025 14:30
 Raw Sample Received by: J. Coe
 Raw Sample Relinquished by: RM wsg

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WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod5-14 WorkList ID : 189632 Department : Wet-Chemistry Date : 05-14-2025 12:33:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2036-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L41	05/14/2025	SM5210 B

Date/Time 05/14/2025 13:00
Raw Sample Received by: RM (wg)
Raw Sample Relinquished by: [Signature]

Date/Time 05/14/2025 14:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RM (wg)