

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 02/26/2025

QC BATCH ID: LB134816

BOD Water: WP112062

Starch: W2977

Sulfuric acid, 1N: WP110386

POLYSEED: WP112064

GGA: WP112063

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: 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	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.6	19.1	9.5	9.5

Meter Calibration1: 9.41

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.53

After Incubation

Meter Calibration2: 8.91

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

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB134816

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 17:20

TIME OUT: 13:40

DATE IN: 02/26/2025

DATE OUT: 03/03/2025

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
LB134816BL	1	No	6.59	N/A	20.80	300	9.53	9.51	0.02	0.02	0.02	
POLYSEED	1					10	9.50	6.20	3.3	0.66	0.66	
POLYSEED	2					15	9.48	4.32	5.16	0.69		
POLYSEED	3					20	9.42	2.99	6.43	0.64		
GGA	1					6	9.43	5.34	4.09	171.5	177.5	
GGA	2					6	9.42	5.17	4.25	179.5		
GGA	3					6	9.42	5.13	4.29	181.5		
Q1429-01	1	No	6.70	N/A	20.20	1	9.41	8.13	-	0	198.15	
Q1429-01	2					2	9.40	7.93	-	0		
Q1429-01	3					5	9.36	4.64	4.72	243.6		
Q1429-01	4					10	9.27	3.52	5.75	152.7		
Q1429-01DUP	1	No	6.70	N/A	20.20	1	9.41	8.21	-	0	203.85	
Q1429-01DUP	2					2	9.39	7.82	-	0		
Q1429-01DUP	3					5	9.36	4.50	4.86	252		
Q1429-01DUP	4					10	9.28	3.43	5.85	155.7		
Q1429-02	1	No	6.95	N/A	20.30	1	9.51	8.39	-	0	83.4	
Q1429-02	2					2	9.48	7.93	-	0		
Q1429-02	3					5	9.34	6.93	2.41	105		
Q1429-02	4					10	9.30	6.58	2.72	61.8		
Q1431-02	1	No	6.65	N/A	20.70	0.5	9.44	7.47	-	0	613.5	
Q1431-02	2					1	9.28	6.10	3.18	756		
Q1431-02	3					2	9.23	4.70	4.53	580.5		
Q1431-02	4					3	9.06	3.36	5.7	504		
Q1435-01	1	No	7.41	N/A	20.00	5	9.50	8.95	-	0	6.96	
Q1435-01	2					20	9.48	8.56	-	0		
Q1435-01	3					50	9.46	7.25	2.21	9.3		
Q1435-01	4					150	9.45	6.48	2.97	4.62		
Q1439-01	1	No	7.25	N/A	20.90	5	9.51	8.90	-	0		
Q1439-01	2					20	9.50	8.45	-	0		
Q1439-01	3					50	9.48	8.27	-	0		
Q1439-01	4					150	9.47	7.72	-	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)

LB134816

WorkList Name : bod5-2-26

WorkList ID : 187883

Department : Wet-Chemistry

Date : 02-26-2025 08:22:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1429-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	D11	02/25/2025	SM5210 B
Q1429-02	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	D11	02/25/2025	SM5210 B
Q1439-01	L RSA-MOD	Water	BOD5	Cool 4 deg C	PSEG04	H31	02/26/2025	SM5210 B

Date/Time 02/26/2025 14:35
 Raw Sample Received by: RM CWG
 Raw Sample Relinquished by: [Signature]

Date/Time 02/26/2025 17:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RM CWG

WORKLIST(Hardcopy Internal Chain)

6134816

WorkList Name : BOD5-2-26-

WorkList ID : 187902

Department : Wet-Chemistry

Date : 02-26-2025 15:09:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1431-02 A	COMP	Water	BOD5	Cool 4 deg C	ARAM01	H11	02/26/2025	SM5210 B
Q1435-01 H	286107	Water	BOD5	Cool 4 deg C	PSEG03	H21	02/26/2025	SM5210 B

Date/Time 02/26/2025 1600
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JWC

Date/Time 02/26/2025 1710
 Raw Sample Received by: Muel
 Raw Sample Relinquished by: RM CWC