

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 01/22/2025

QC BATCH ID: LB134390

BOD Water: WP111545

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111547

GGA: WP111546

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: WP111324

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.7	9.7	9.7
WINKLER 2	WINKLER 2	2	300	9.8	19.5	9.7	9.7

Meter Calibration1: 9.80

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.72

After Incubation

Meter Calibration2: 8.87

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB134390

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 19.6

TIME IN: 17:10

TIME OUT: 14:15

DATE IN: 01/22/2025

DATE OUT: 01/27/2025

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
LB134390BL	1	No	6.51	N/A	20.40	300	9.71	9.69	0.02	0.02	0.02	
POLYSEED	1					10	9.67	7.06	2.61	0.52	0.62	
POLYSEED	2					15	9.64	4.64	5	0.67		
POLYSEED	3					20	9.61	2.80	6.81	0.68		
GGA	1					6	9.65	4.99	4.66	202	208.67	
GGA	2					6	9.64	4.91	4.73	205.5		
GGA	3					6	9.63	4.64	4.99	218.5		
Q1140-01	1	No	8.26	7.24	20.50	5	9.69	9.08	-	0	10.4	pH Adjusted
Q1140-01	2					20	9.66	8.60	-	0		
Q1140-01	3					50	9.62	8.48	-	0		
Q1140-01	4					150	9.51	3.69	5.82	10.4		
Q1140-01DUP	1	No	8.26	7.24	20.50	5	9.67	9.00	-	0	10.48	pH Adjusted
Q1140-01DUP	2					20	9.66	8.74	-	0		
Q1140-01DUP	3					50	9.61	8.31	-	0		
Q1140-01DUP	4					150	9.50	3.64	5.86	10.48		
Q1150-02	1	No	6.51	N/A	20.40	0.5	9.50	8.02	-	0	621	
Q1150-02	2					1	9.50	6.81	2.69	621		
Q1150-02	3					2	9.46	0.39	-	0		
Q1150-02	4					3	9.40	0.11	-	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.

LB134390

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-01222025

WorkList ID : 187069

Department : Wet-Chemistry

Date : 01-22-2025 16:06:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1150-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	E11	01/22/2025	SM5210 B

Date/Time 01.22.2025 16:40
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: NF(wc)

Date/Time 01.22.2025 17:15
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: NF(wc)

LB134390

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5- 01222025

WorkList ID : 137186

Department : Wet-Chemistry

Date : 01-22-2025 13:26:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1140-01	FRAC-TANK-F06078	Water	BOD5	Cool 4 deg C	PSEG03	E11	01/21/2025	SM5210 B

Date/Time 01.22.2025 15.25
Raw Sample Received by: NFCW
Raw Sample Relinquished by: JA

Date/Time 01.22.2025 17.15
Raw Sample Received by: JA
Raw Sample Relinquished by: NF (WC)