

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/13/2024

QC BATCH ID: LB132436

BOD Water: WP109711

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109714

NaOH, 1N: WP108662

GGA: WP109713

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3121

Zero DO: WP109433

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.5	18.9	9.4	9.4

Meter Calibration1: 8.63

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 8.93

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB132436

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 14:30

TIME OUT: 15:00

DATE IN: 09/13/2024

DATE OUT: 09/18/2024

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
LB132436BL	1	No	6.79	N/A	20.70	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.43	6.41	3.02	0.6	0.57	
POLYSEED	2					15	9.41	5.00	4.41	0.59		
POLYSEED	3					20	9.40	4.20	5.2	0.52		
GGA	1					6	9.40	5.01	4.39	191	197	
GGA	2					6	9.40	4.84	4.56	199.5		
GGA	3					6	9.34	4.76	4.58	200.5		
P3998-01	1	No	9.32	7.20	20.00	0.05	9.40	8.36	-	0	2706	pH Adjusted
P3998-01	2					0.1	9.22	7.60	-	0		
P3998-01	3					0.2	9.15	6.86	2.29	2580		
P3998-01	4					0.5	9.05	3.76	5.29	2832		
P3998-01	5					1	8.90	0.16	-	0		
P3998-01DUP	1	No	9.32	7.20	20.00	0.05	9.38	8.53	-	0	2776.5	pH Adjusted
P3998-01DUP	2					0.1	9.25	7.66	-	0		
P3998-01DUP	3					0.2	9.14	6.80	2.34	2655		
P3998-01DUP	4					0.5	9.05	3.65	5.4	2898		
P3998-01DUP	5					1	8.88	0.20	-	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)

6132436

WorkList Name : BOD5-9-13 WorkList ID : 183488 Department : Wet-Chemistry Date : 09-13-2024 12:36:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3998-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	H53	09/13/2024	SM5210 B

Date/Time 09/13/2024 12:45
 Raw Sample Received by: RM (wcl)
 Raw Sample Relinquished by: M wcl

Date/Time 09/13/2024 14:20
 Raw Sample Received by: RM wcl
 Raw Sample Relinquished by: RM (wcl)