

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 11/27/2024

QC BATCH ID: LB133668

BOD Water: WP110892

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110894

NaOH, 1N: WP108662

GGA: WP110893

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3140

Zero DO: WP110595

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	9.1	18.6	9.5	9.5

Meter Calibration1: 9.38

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.51

After Incubation

Meter Calibration2: 9.58

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB133668

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 15:10

TIME OUT: 17:00

DATE IN: 11/27/2024

DATE OUT: 12/02/2024

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
LB133668BL	1	No	6.69	7.22	20.40	300	9.50	9.48	0.02	0.02	0.02	pH Adjusted
POLYSEED	1					10	9.47	6.23	3.24	0.65	0.67	
POLYSEED	2					15	9.44	4.23	5.21	0.69		
POLYSEED	3					20	9.41	2.68	6.73	0.67		
GGA	1					6	9.46	4.99	4.47	190	194	
GGA	2					6	9.42	4.80	4.62	197.5		
GGA	3					6	9.40	4.84	4.56	194.5		
P5006-18	1	No	7.22	7.22	20.40	5	9.39	7.24	2.15	88.8	33.78	pH Adjusted
P5006-18	2					20	9.36	6.92	2.44	26.55		
P5006-18	3					50	9.27	6.65	2.62	11.7		
P5006-18	4					150	9.03	4.33	4.7	8.06		

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)

LB133668

WorkList Name : BOD5-11272024

WorkList ID : 185821

Department : Wet-Chemistry

Date : 11-27-2024 08:14:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5006-18	TW-WTS-02	Water	BOD5	Cool 4 deg C	ENTA05	L51	11/25/2024	SM5210 B

Date/Time 11.27.2024 14:06
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: OP SW

Date/Time 11.27.2024 16:00
Raw Sample Received by: OP SW
Raw Sample Relinquished by: NF(wc)