

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 07/25/2024

QC BATCH ID: LB131742

BOD Water: WP108830

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP108832

NaOH, 1N: WP108662

GGA: WP108831

IncubatorID: INCUBATOR#3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108811

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.1	9.1	9.1
WINKLER 2	WINKLER 2	2	300	9.2	18.3	9.1	9.1

Meter Calibration1: 8.55

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.16

After Incubation

Meter Calibration2: 9.12

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB131742

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 14:20

TIME OUT: 13:30

DATE IN: 07/25/2024

DATE OUT: 07/30/2024

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
LB131742BL	1	No	6.81	N/A	20.60	300	9.15	9.13	0.02	0.02	0.02	
POLYSEED	1					10	9.13	6.22	2.91	0.58	0.55	
POLYSEED	2					15	9.10	5.10	4	0.53		
POLYSEED	3					20	9.09	3.59	5.5	0.55		
GGA	1					6	9.14	4.38	4.76	210.5	221	
GGA	2					6	9.13	4.10	5.03	224		
GGA	3					6	9.13	4.01	5.12	228.5		
P3346-02	1	No	7.17	N/A	20.00	0.5	9.11	8.38	-	0	532.5	
P3346-02	2					1	9.06	6.14	2.92	711		
P3346-02	3					2	9.00	5.38	3.62	460.5		
P3346-02	4					3	8.97	4.16	4.81	426		
P3346-02DUP	1	No	7.17	N/A	20.00	0.5	9.09	8.30	-	0	546	
P3346-02DUP	2					1	9.06	6.02	3.04	747		
P3346-02DUP	3					2	8.99	5.36	3.63	462		
P3346-02DUP	4					3	8.98	4.14	4.84	429		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

66131742

WorkList Name : bod5-7-25

WorkList ID : 182096

Department : Wet-Chemistry

Date : 07-25-2024 08:54:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3346-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	07/24/2024	SM5210 B

Date/Time 07/25/2024 13:00
Raw Sample Received by: RM WW
Raw Sample Relinquished by: RM WW

Date/Time 07/25/2024 14:30
Raw Sample Received by: RM WW
Raw Sample Relinquished by: RM WW