

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/30/2024

QC BATCH ID: LB131000

BOD Water: WP108254

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP108255

NaOH, 1N: WP106529

GGA: WP108256

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108093

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.00	10.30	10.3	10.5
WINKLER 2	WINKLER 2	2	300	10.30	21	10.7	10.5

Meter Calibration1: 10.24

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 10.4

After Incubation

Meter Calibration2: 9.21

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB131000

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 15:30

TIME OUT: 12:00

DATE IN: 05/30/2024

DATE OUT: 06/04/2024

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
LB131000BL	1	No	6.76	N/A	20.10	300	10.41	10.40	0.01	0.01	0.01	
POLYSEED	1					10	10.30	6.28	4.02	0.8	0.66	
POLYSEED	2					15	10.27	5.51	4.76	0.63		
POLYSEED	3					20	10.21	4.57	5.64	0.56		
GGA	1					6	10.26	5.87	4.39	186.5	206.67	
GGA	2					6	10.26	5.34	4.92	213		
GGA	3					6	10.27	5.20	5.07	220.5		
P2644-02	1	No	5.71	6.58	20.00	0.5	10.29	10.19	-	0	928.5	pH Adjusted
P2644-02	2					1	10.25	8.64	-	0		
P2644-02	3					2	10.16	3.31	6.85	928.5		
P2644-02	4					3	10.10	0.83	-	0		
P2644-02DUP	1	No	5.71	6.58	20.00	0.5	10.27	10.03	-	0	945	pH Adjusted
P2644-02DUP	2					1	10.24	8.53	-	0		
P2644-02DUP	3					2	10.18	3.22	6.96	945		
P2644-02DUP	4					3	10.13	0.32	-	0		

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.

LB131000

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-05302024 WorkList ID : 180661 Department : Wet-Chemistry Date : 05-30-2024 12:50:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2644-02	Comp	Water	BOD5	Cool 4 deg C	ARAM01	K11	05/29/2024	SM5210 B

Date/Time 05-30-2024, 13:30
Raw Sample Received by: NF(WC)
Raw Sample Relinquished by: JH GORE

Date/Time 05-30-2024, 15:30
Raw Sample Received by: JH GORE
Raw Sample Relinquished by: NF(WC)