

BOD5 LOG

ANALYST: Niha

SUPERVISOR: jignesh

Analysis Date: 08/02/2024

QC BATCH ID: LB131855

BOD Water: WP108984

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP108986

NaOH, 1N: WP108662

GGA: WP108985

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108522

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	9.4	18.8	9.4	9.4

Meter Calibration1: 8.92

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 9.47

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB131855

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:30

TIME OUT: 13:00

DATE IN: 08/02/2024

DATE OUT: 08/07/2024

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
LB131855BL	1	No	6.70	N/A	20.50	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.46	5.15	4.31	0.86	0.74	
POLYSEED	2					15	9.44	3.98	5.46	0.73		
POLYSEED	3					20	9.42	3.06	6.36	0.64		
GGA	1					6	9.46	5.00	4.46	186	191.67	
GGA	2					6	9.46	4.92	4.54	190		
GGA	3					6	9.44	4.72	4.72	199		
P3424-02	1	No	6.51	N/A	20.40	0.5	9.40	7.52	-	0	495.33	
P3424-02	2					1	9.35	6.65	2.7	588		
P3424-02	3					2	9.27	5.63	3.64	435		
P3424-02	4					3	9.36	3.99	5.37	463		
P3424-02DUP	1	No	6.51	N/A	20.40	0.5	9.42	7.65	-	0	500	
P3424-02DUP	2					1	9.40	6.77	2.63	567		
P3424-02DUP	3					2	9.39	5.53	3.86	468		
P3424-02DUP	4					3	9.36	3.97	5.39	465		

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.

L3131855

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-08012024 WorkList ID : 182263 Department : Wet-Chemistry Date : 08-01-2024 08:42:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3424-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	07/31/2024	SM5210 B

Date/Time 08.02.2024, 08:00
Raw Sample Received by: NFWC
Raw Sample Relinquished by: NFWC

Date/Time 08.02.2024, 10:00
Raw Sample Received by: NFWC
Raw Sample Relinquished by: NFWC