

CBOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 07/19/2024

QC BATCH ID: LB131699

BOD Water: WP108777

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP108779

NaOH, 1N: WP108662

GGA: WP108778

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108522

Nitrification Inhibitor: w3064

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.00	8.8	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.8	17.6	8.8	8.8

Meter Calibration1: 8.61

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.89

After Incubation

Meter Calibration2: 8.70

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB131699

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:30

TIME OUT: 15:00

DATE IN: 07/19/2024

DATE OUT: 07/24/2024

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
LB131699BL	1	No	6.68	N/A	20.10	300	8.90	8.89	0.01	0.01	0.01	
POLYSEED	1					10	8.80	5.84	2.96	0.59	0.6	
POLYSEED	2					15	8.72	4.96	3.76	0.5		
POLYSEED	3					20	8.69	1.58	7.11	0.71		
GGA	1					6	8.79	4.92	3.87	163.5	179.83	
GGA	2					6	8.76	4.87	3.89	164.5		
GGA	3					6	8.75	3.92	4.83	211.5		
P3297-01	1	No	6.59	N/A	20.20	5	8.56	6.47	2.09	89.4	89.4	
P3297-01	2					20	8.11	0.70	-	0		
P3297-01	3					50	7.21	0.42	-	0		
P3297-01	4					150	4.04	0.35	-	0		
P3297-01DUP	1	No	6.59	N/A	20.20	5	8.50	6.38	2.12	91.2	91.2	
P3297-01DUP	2					20	8.14	0.68	-	0		
P3297-01DUP	3					50	7.18	0.44	-	0		
P3297-01DUP	4					150	3.99	0.35	-	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.

WORKLIST(Hardcopy Internal Chain)

LB131699

WorkList Name : CBOD5-07182024

WorkList ID : 181952

Department : Wet-Chemistry

Date : 07-18-2024 12:11:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3297-01	PIT	Water	CBOD5	Cool 4 deg C	URBA02	C31	07/18/2024	SM5210 B

Date/Time07.19.2024, 15:00

Raw Sample Received by:NFLWC

Raw Sample Relinquished by:JG(wv)

Date/Time07.19.2024, 17:20

Raw Sample Received by:JG coll

Raw Sample Relinquished by:NFLWC