

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/15/2024

QC BATCH ID: LB130791

BOD Water: WP107970

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107973

NaOH, 1N: WP106529

GGA: WP107972

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107608

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.0	9	9
WINKLER 2	WINKLER 2	2	300	9.0	18.0	9	9

Meter Calibration1: 8.97

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.00

After Incubation

Meter Calibration2: 8.93

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB130791

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:00

TIME OUT: 13:00

DATE IN: 05/15/2024

DATE OUT: 05/20/2024

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
LB130791BL	1	No	6.7	N/A	20.00	300	9.00	9.00	0	0	0	
POLYSEED	1					10	8.99	6.77	2.22	0.44	0.44	
POLYSEED	2					15	8.97	5.33	3.64	0.49		
POLYSEED	3					20	8.95	5.17	3.78	0.38		
GGA	1					6	8.94	4.60	4.34	195	210.33	
GGA	2					6	8.95	4.28	4.67	211.5		
GGA	3					6	8.94	4.01	4.93	224.5		
P2485-02	1	No	6.81	N/A	20.00	0.5	8.99	5.94	3.05	1566	1355.5	
P2485-02	2					1	8.96	3.77	5.19	1425		
P2485-02	3					2	8.87	1.26	7.61	1075.5		
P2485-02	4					3	8.80	0.30	-	0		
P2485-02DUP	1	No	6.81	N/A	20.00	0.5	8.98	5.82	3.16	1632	1340.5	
P2485-02DUP	2					1	8.95	4.12	4.83	1317		
P2485-02DUP	3					2	8.88	1.29	7.59	1072.5		
P2485-02DUP	4					3	8.81	0.27	-	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)

LB130791

WorkList Name : BOD5-05152024

WorkList ID : 180267

Department : Wet-Chemistry

Date : 05-15-2024 15:06:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2485-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K31	05/15/2024	SM5210 B

Date/Time 05-15-2024 , 15:30

Raw Sample Received by: NF (wc)

Raw Sample Relinquished by: [Signature]

Date/Time 05-15-2024 , 16:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: NF (wc)