

BOD 7 LOG

ANALYST: Rubina

SUPERVISOR: jignesh

Analysis Date: 03/27/2024

QC BATCH ID: LB130047

BOD Water: WP107142

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP107144

GGA: WP107143

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W2913

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP106529

IncubatorID: INCUBATOR#3

GuageID: 0511064

Zero DO: WP107046

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.52

Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.32

After Incubation

Meter Calibration2: 8.84

Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB130047

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 10:00

TIME OUT: 10:00

DATE IN: 03/27/2024

DATE OUT: 04/03/2024

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
LB130047BL	1	No	6.67	N/A	20.60	300	9.31	9.30	0.01	0.01	0.01	
POLYSEED	1					10	9.29	6.00	3.29	0.66	0.63	
POLYSEED	2					15	9.27	4.60	4.67	0.62		
POLYSEED	3					20	9.25	3.29	5.96	0.6		
GGA	1					6	9.30	4.89	4.41	189	194.67	
GGA	2					6	9.29	4.73	4.56	196.5		
GGA	3					6	9.29	4.69	4.6	198.5		
P1862-05	1	No	6.63	N/A	20.30	0.1	9.30	8.32	-	0	1719	
P1862-05	2					0.5	9.28	6.19	3.09	1476		
P1862-05	3					1	9.26	2.09	7.17	1962		
P1862-05	4					5	9.22	0.58	-	0		
P1871-05	1	No	5.80	6.70	20.00	0.1	9.30	8.28	-	0	1899	pH Adjusted
P1871-05	2					0.5	9.29	5.32	3.97	2004		
P1871-05	3					1	9.26	2.65	6.61	1794		
P1871-05	4					5	9.24	0.28	-	0		
P1871-05DUP	1	No	5.80	6.70	20.00	0.1	9.29	8.35	-	0	1909.5	pH Adjusted
P1871-05DUP	2					0.5	9.28	5.25	4.03	2040		
P1871-05DUP	3					1	9.26	2.70	6.56	1779		
P1871-05DUP	4					5	9.23	0.30	-	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)

66130047

WorkList Name : BOD7-0326

WorkList ID : 178845

Department : Wet-Chemistry

Date : 03-26-2024 15:06:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1862-05	BOD	Water	BOD_7	1:1 HNO3 to pH < 2	AMER08	P11	03/25/2024	SM5210 B
P1871-05	BOD	Water	BOD_7	1:1 HNO3 to pH < 2	AMER08	P31	03/26/2024	SM5210 B

Date/Time 03/27/2024 08:15
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JAGWEL

Date/Time 03/27/2024 10:30
 Raw Sample Received by: JAGWEL
 Raw Sample Relinquished by: RM