

**BOD 7 LOG****ANALYST:** Rubina**SUPERVISOR:** Sohil**Analysis Date:** 08/16/2023**QC BATCH ID:** LB126880**BOD Water:** WP103763**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP103765**GGA:** WP103764**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP103555

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.1	9.1	9.1
WINKLER 2	WINKLER 2	2	300	9.1	18.2	9.1	9.1

Meter Calibration1: 9.09

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.14

After Incubation

Meter Calibration2: 9.38

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB126880

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 09:30

TIME OUT: 14:30

DATE IN: 08/16/2023

DATE OUT: 08/23/2023

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
LB126880BL	1	No	6.77	N/A	20.40	300	9.13	9.11	0.02	0.02	0.02	
POLYSEED	1					10	9.12	6.20	2.92	0.58	0.59	
POLYSEED	2					15	9.10	4.69	4.41	0.59		
POLYSEED	3					20	9.09	3.02	6.07	0.61		
GGA	1					6	9.03	4.98	4.05	173	182.5	
GGA	2					6	9.02	4.80	4.22	181.5		
GGA	3					6	9.01	4.56	4.45	193		
O4010-05	1	No	7.01	N/A	20.40	0.1	8.99	6.92	2.07	4440	1907.4	
O4010-05	2					0.5	8.93	7.61	-	0		
O4010-05	3					1	8.92	5.23	3.69	930		
O4010-05	4					5	8.54	2.08	6.46	352.2		
O4010-05DUP	1	No	7.01	N/A	20.40	0.1	8.97	6.87	2.1	4530	1947.8	
O4010-05DUP	2					0.5	8.92	7.53	-	0		
O4010-05DUP	3					1	8.90	5.10	3.8	963		
O4010-05DUP	4					5	8.59	2.16	6.43	350.4		
O4021-05	1	No	6.58	N/A	20.00	0.01	8.96	7.92	-	0	1986	
O4021-05	2					0.05	8.95	7.44	-	0		
O4021-05	3					0.1	8.91	7.00	-	0		
O4021-05	4					0.5	8.77	4.87	3.9	1986		

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)

6126880

WorkList Name : BOD7-8-15

WorkList ID : 172718

Department : Wet-Chemistry

Date : 08-15-2023 10:34:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4010-05	BOD	Water	BOD_7	Cool 4 deg C	AMER08	L22	08/14/2023	SM5210 B
O4021-05	BOD	Water	BOD_7	1:1 HNO3 to pH < 2	AMER08	J22	08/15/2023	SM5210 B

Date/Time 08/16/2023 08:00
 Raw Sample Received by: RM CWI
 Raw Sample Relinquished by: JH CWI

Date/Time 08/16/2023 09:45
 Raw Sample Received by: JH CWI
 Raw Sample Relinquished by: RM CWI