

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Sohil**QC BATCH ID:** LB127020**Analysis Date:** 08/25/2023**BOD Water:** WP103896**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP102923**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP103898**NaOH, 1N:** WP101216**GGA:** WP103897**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**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: 9.05

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.16

After Incubation

Meter Calibration2: 8.89

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB127020

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:40

TIME OUT: 14:00

DATE IN: 08/25/2023

DATE OUT: 08/30/2023

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
LB127020BL	1	No	6.65	N/A	20.50	300	9.15	9.14	0.01	0.01	0.01	
POLYSEED	1					10	9.05	6.21	2.84	0.57	0.59	
POLYSEED	2					15	9.01	4.61	4.4	0.59		
POLYSEED	3					20	9.00	2.99	6.01	0.6		
GGA	1					6	9.08	5.21	3.87	164	177	
GGA	2					6	9.07	4.89	4.18	179.5		
GGA	3					6	9.05	4.71	4.34	187.5		
O4171-01	1	No	7.54	7.32	20.60	5	9.10	8.91	-	0		pH Adjusted
O4171-01	2					20	9.08	8.72	-	0		
O4171-01	3					50	9.03	8.50	-	0		
O4171-01	4					150	8.85	8.21	-	0		
O4171-01DUP	1	No	7.54	7.32	20.60	5	9.09	8.98	-	0		pH Adjusted
O4171-01DUP	2					20	9.07	8.79	-	0		
O4171-01DUP	3					50	9.01	8.39	-	0		
O4171-01DUP	4					150	9.00	8.16	-	0		
O4187-01	1	No	3.89	6.69	20.60	0.5	9.04	8.89	-	0		pH Adjusted
O4187-01	2					1	9.01	8.71	-	0		
O4187-01	3					2	8.92	8.33	-	0		
O4187-01	4					5	8.66	7.53	-	0		
O4187-01	5					10	8.03	6.55	-	0		
O4187-05	1	No	4.10	6.67	20.80	0.01	9.07	8.26	-	0	6261	pH Adjusted
O4187-05	2					0.05	9.05	7.20	-	0		
O4187-05	3					0.1	8.98	5.21	3.77	9540		
O4187-05	4					0.5	8.60	3.04	5.56	2982		
O4187-05	5					1	7.93	0.25	-	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)

6/12/2020

WorkList Name : BOD-8-25

WorkList ID : 173047

Department : Wet-Chemistry

Date : 08-25-2023 11:54:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4171-01	FMI-134	Water	BOD5	Cool 4 deg C	PSEG03	N11	08/25/2023	SM5210 B
O4187-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	N11	08/25/2023	SM5210 B
O4187-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	N11	08/25/2023	SM5210 B

Date/Time 08/25/2023 16:00
 Raw Sample Received by: PM (initials)
 Raw Sample Relinquished by: JDC (initials)

Date/Time 08/25/2023 17:30
 Raw Sample Received by: JDC (initials)
 Raw Sample Relinquished by: PM (initials)