

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB127922**Analysis Date:** 10/20/2023**BOD Water:** WP104820**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP102923**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP104822**NaOH, 1N:** WP103989**GGA:** WP104821**IncubatorID:** INCUBATOR#3**Chlorine Strips:** W2010**GuageID:** 0511064**pH Strips:** W3056**Zero DO:** WP104465

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.14

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

Barometric Pressure1: 750 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.43

After Incubation

Meter Calibration2: 9.46

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB127922

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 16:50

TIME OUT: 15:45

DATE IN: 10/20/2023

DATE OUT: 10/25/2023

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
LB127922BL	1	No	6.69	N/A	20.40	300	9.42	9.41	0.01	0.01	0.01	
POLYSEED	1					10	9.39	6.09	3.3	0.66	0.61	
POLYSEED	2					15	9.38	4.84	4.54	0.61		
POLYSEED	3					20	9.36	3.69	5.67	0.57		
GGA	1					6	9.38	5.26	4.12	175.5	185.17	
GGA	2					6	9.36	5.02	4.34	186.5		
GGA	3					6	9.34	4.86	4.48	193.5		
O4999-01	1	No	5.15	6.72	20.00	0.5	9.37	8.12	-	0	321.7	pH Adjusted
O4999-01	2					1	9.31	7.27	2.04	429		
O4999-01	3					2	9.25	6.37	2.88	340.5		
O4999-01	4					5	8.90	5.03	3.87	195.6		
O4999-01	5					10	8.22	0.88	-	0		
O4999-01DUP	1	No	5.15	6.72	20.00	0.5	9.35	8.24	-	0	322.9	pH Adjusted
O4999-01DUP	2					1	9.30	7.19	2.11	450		
O4999-01DUP	3					2	9.23	6.49	2.74	319.5		
O4999-01DUP	4					5	8.88	4.95	3.93	199.2		
O4999-01DUP	5					10	8.25	0.78	-	0		
O4999-05	1	No	5.28	6.78	20.40	0.01	9.36	8.88	-	0	5580	pH Adjusted
O4999-05	2					0.05	9.35	7.69	-	0		
O4999-05	3					0.1	9.32	6.85	2.47	5580		
O4999-05	4					0.5	8.87	0.29	-	0		
O4999-05	5					1	8.29	0.21	-	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)

66127922

WorkList Name : bod5-10-20 WorkList ID : 174750 Department : Wet-Chemistry Date : 10-20-2023 08:07:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4999-01 <i>✓A</i>	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	I21	10/20/2023	SM5210 B
O4999-05 <i>✓A</i>	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	I21	10/20/2023	SM5210 B

Date/Time 10/20/2023 15:00
 Raw Sample Received by: RM cur
 Raw Sample Relinquished by: RM cur

Date/Time 10/20/2023 1645
 Raw Sample Received by: RM cur
 Raw Sample Relinquished by: RM cur