

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/18/2023**QC BATCH ID:** LB127862**BOD Water:** WP104776**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104778**GGA:** WP104777**Chlorine Strips:** W2010**pH Strips:** W3056**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**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: 9.44

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.23

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

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB127862

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 13:35

TIME OUT: 10:00

DATE IN: 10/18/2023

DATE OUT: 10/23/2023

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
LB127862BL	1	No	6.67	N/A	20.20	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.44	4.97	4.47	0.89	0.75	
POLYSEED	2					15	9.42	3.67	5.75	0.77		
POLYSEED	3					20	9.41	3.51	5.9	0.59		
GGA	1					6	9.41	5.25	4.16	170.5	180.17	
GGA	2					6	9.39	5.04	4.35	180		
GGA	3					6	9.39	4.84	4.55	190		
O4909-01	1	No	6.47	6.69	20.40	5	9.38	6.49	2.89	128.4	89.28	pH Adjusted
O4909-01	2					20	9.16	1.71	7.45	100.5		
O4909-01	3					50	8.62	1.38	7.24	38.94		
O4909-01	4					150	6.26	0.78	-	0		
O4911-01	1	No	6.99	N/A	20.40	5	9.01	5.22	3.79	182.4	102.23	
O4911-01	2					20	5.82	3.60	2.22	22.05		
O4911-01	3					50	4.21	2.38	-	0		
O4911-01	4					150	2.84	0.24	-	0		
O4911-02	1	No	6.82	N/A	20.00	5	9.30	8.88	-	0	2.84	
O4911-02	2					20	9.27	8.24	-	0		
O4911-02	3					50	9.25	8.04	-	0		
O4911-02	4					150	9.18	7.01	2.17	2.84		
O4911-02DUP	1	No	6.82	N/A	20.00	5	9.29	8.75	-	0	2.68	
O4911-02DUP	2					20	9.26	8.37	-	0		
O4911-02DUP	3					50	9.24	8.12	-	0		
O4911-02DUP	4					150	9.17	7.08	2.09	2.68		

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)

Cb127862

WorkList Name : bod-10-18

WorkList ID : 174665

Department : Wet-Chemistry

Date : 10-18-2023 08:27:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4909-01 S	LCOL-12	Water	BOD5	Cool 4 deg C	LOCK01	I11	10/13/2023	SM5210 B
O4911-01 F	LCOL-11	Water	BOD5	Cool 4 deg C	LOCK01	I41	10/13/2023	SM5210 B
O4911-02 Q	LDET-12	Water	BOD5	Cool 4 deg C	LOCK01	I41	10/13/2023	SM5210 B

Date/Time 10/18/2023 10:00
 Raw Sample Received by: RM CWCJ
 Raw Sample Relinquished by: JH CWCJ

Date/Time 10/18/2023 13:30
 Raw Sample Received by: JH CWCJ
 Raw Sample Relinquished by: RM CWCJ