

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/04/2023**QC BATCH ID:** LB127618**BOD Water:** WP104513**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104515**GGA:** WP104514**Chlorine Strips:** W2011**pH Strips:** W3045**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: 8.92

Zero DO Reading1: 0.11 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 9.39

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB127618

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 16:00

TIME OUT: 12:00

DATE IN: 10/04/2023

DATE OUT: 10/09/2023

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
LB127618BL	1	No	6.70	N/A	20.60	300	9.45	9.42	0.03	0.03	0.03	
POLYSEED	1					10	9.43	5.43	4	0.8	0.71	
POLYSEED	2					15	9.41	4.03	5.38	0.72		
POLYSEED	3					20	9.40	3.37	6.03	0.6		
GGA	1					6	9.42	5.01	4.41	185	195.5	
GGA	2					6	9.42	4.71	4.71	200		
GGA	3					6	9.40	4.66	4.74	201.5		
O4715-01	1	No	8.00	7.38	20.00	2	9.44	8.58	-	0	167.7	pH Adjusted
O4715-01	2					10	9.39	3.09	6.3	167.7		
O4715-01	3					50	9.11	0.98	-	0		
O4715-01	4					100	8.79	0.41	-	0		
O4738-02	1	No	6.09	6.70	20.00	0.5	9.29	7.09	2.2	894	749	pH Adjusted
O4738-02	2					1	9.23	5.90	3.33	786		
O4738-02	3					2	9.12	4.63	4.49	567		
O4738-02	4					3	8.94	0.36	-	0		
O4738-02DUP	1	No	6.09	6.70	20.00	0.5	9.31	7.23	2.08	822	711	pH Adjusted
O4738-02DUP	2					1	9.25	6.03	3.22	753		
O4738-02DUP	3					2	9.13	4.70	4.43	558		
O4738-02DUP	4					3	8.95	0.33	-	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)

115127618

WorkList Name : bod5-9-4

WorkList ID : 174223

Department : Wet-Chemistry

Date : 10-04-2023 08:15:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4715-01 A	1C	Water	BOD5	Cool 4 deg C	M&MM01	E41	10/03/2023	SM5210 B
O4738-02 A	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D11	10/04/2023	SM5210 B

Date/Time 10/04/2023 14:30
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: AF CWC

Date/Time 10/04/2023 16:10
Raw Sample Received by: AF CWC
Raw Sample Relinquished by: RM CWC