

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 01/19/2023**QC BATCH ID:** LB123741**BOD Water:** WP100696**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP100698**GGA:** WP100697**Chlorine Strips:** W2011**pH Strips:** W2833**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP99896**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP100617

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.80	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.80	17.6	8.8	8.8

Meter Calibration1: 8.43

Barometric Pressure1: 765 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.78

After Incubation

Meter Calibration2: 9.26

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.08 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.76



QC BATCH ID: LB123741

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 15:10

TIME OUT: 15:30

DATE IN: 01/19/2023

DATE OUT: 01/24/2023

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
LB123741BL	1	No	6.82	N/A	20.00	300	8.77	8.75	0.02	0.02	0.02	
POLYSEED	1					10	8.60	4.89	3.71	0.74	0.56	
POLYSEED	2					15	8.52	4.58	3.94	0.53		
POLYSEED	3					20	8.42	4.18	4.24	0.42		
GGA	1					6	8.65	4.56	4.09	176.5	177.33	
GGA	2					6	8.64	4.52	4.12	178		
GGA	3					6	8.60	4.49	4.11	177.5		
O1191-02	1	No	5.74	6.70	20.00	0.5	8.75	4.11	4.64	2448	2448	pH Adjusted
O1191-02	2					1	8.70	0.64	-	0		
O1191-02	3					2	8.69	0.30	-	0		
O1191-02	4					3	8.68	0.29	-	0		
O1202-01	1	No	8.31	6.90	20.10	5	8.76	8.33	-	0		pH Adjusted
O1202-01	2					20	8.75	7.45	-	0		
O1202-01	3					50	8.74	7.44	-	0		
O1202-01	4					150	8.73	6.80	-	0		
O1228-02	1	No	7.25	N/A	20.20	0.5	8.73	4.22	4.51	2370	2370	
O1228-02	2					1	8.64	0.59	-	0		
O1228-02	3					2	8.63	0.32	-	0		
O1228-02	4					3	8.62	0.31	-	0		
O1228-02DUP	1	No	7.25	N/A	20.20	0.5	8.74	4.21	4.53	2382	2382	
O1228-02DUP	2					1	8.63	0.60	-	0		
O1228-02DUP	3					2	8.62	0.33	-	0		
O1228-02DUP	4					3	8.61	0.30	-	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)

6123741

WorkList Name : bod1-18

WorkList ID : 166648

Department : Wet-Chemistry

Date : 01-18-2023 08:21:19

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/20/2023	Water	O1202-01 C	BOD5	Cool 4 deg C	INFR01	N11	WEEKLY-OUTFALL-002	01/18/2023	SM5210 B
01/20/2023	Water	O1191-02 A	BOD5	Cool 4 deg C	ARAM01	N11	COMP	01/18/2023	SM5210 B
01/21/2023	Water	O1228-02 A	BOD5	Cool 4 deg C	ARDM01	N11	EFF-WWW	01/19/2023	SM5210 B

Date/Time 01/19/2023 14:00
 Raw Sample Received by: RM GWC
 Raw Sample Relinquished by: JLC(SM)

Date/Time 01/19/2023 15:20
 Raw Sample Received by: J. (SM)
 Raw Sample Relinquished by: RM CWC