

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 01/13/2023**QC BATCH ID:** LB123684**BOD Water:** WP100614**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP100616**GGA:** WP100615**Chlorine Strips:** W2011**pH Strips:** W2716**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: 9.22

Barometric Pressure1: 755 mmHg

Zero DO Reading1: 0.09 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.75

After Incubation

Meter Calibration2: 9.29

Barometric Pressure2: 760 mmHg

Zero DO Reading2: 0.07 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.74



QC BATCH ID: LB123684

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 15:30

TIME OUT: 14:00

DATE IN: 01/13/2023

DATE OUT: 01/18/2023

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
LB123684BL	1	No	6.90	N/A	20.00	300	8.74	8.73	0.01	0.01	0.01	
POLYSEED	1					10	8.54	4.76	3.78	0.76	0.59	
POLYSEED	2					15	8.43	4.28	4.15	0.55		
POLYSEED	3					20	8.30	3.70	4.6	0.46		
GGA	1					6	8.65	3.64	5.01	221	218.33	
GGA	2					6	8.63	3.47	5.16	228.5		
GGA	3					6	8.61	3.91	4.7	205.5		
O1158-01	1	No	7.20	N/A	20.40	0.5	8.67	7.51	-	0	775.5	
O1158-01	2					1	8.66	5.81	2.85	678		
O1158-01	3					2	8.65	2.24	6.41	873		
O1158-01	4					5	8.61	0.91	-	0		
O1158-01	5					10	8.50	0.31	-	0		
O1158-05	1	No	5.75	6.85	20.10	0.01	8.71	6.73	-	0	1752	pH Adjusted
O1158-05	2					0.05	8.69	6.70	-	0		
O1158-05	3					0.1	8.68	6.69	-	0		
O1158-05	4					0.5	8.66	5.15	3.51	1752		
O1158-05	5					1	8.65	0.98	-	0		
O1158-05DUP	1	No	5.75	6.85	20.10	0.01	8.70	6.74	-	0	1734	pH Adjusted
O1158-05DUP	2					0.05	8.68	6.73	-	0		
O1158-05DUP	3					0.1	8.67	6.68	-	0		
O1158-05DUP	4					0.5	8.65	5.17	3.48	1734		
O1158-05DUP	5					1	8.64	0.94	-	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)

WorkList Name : bod1-13

WorkList ID : 166549

Department : Wet-Chemistry

Date : 01-13-2023 08:09:22

66123684

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/15/2023	Water	O1158-01	C-BOD5	Cool 4 deg C	HOLL01	N51	EFFLUENT	01/13/2023	SM5210 B
01/15/2023	Water	O1158-05	BOD5	Cool 4 deg C	HOLL01	N51	INFLUENT	01/13/2023	SM5210 B

Date/Time 01/13/2023 14:30
 Raw Sample Received by: RM C.W.C.
 Raw Sample Relinquished by: RM C.W.C.

Date/Time 01/13/2023 15:30
 Raw Sample Received by: RM C.W.C.
 Raw Sample Relinquished by: RM C.W.C.