

**BOD 7 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 02/16/2023**QC BATCH ID:** LB124110**BOD Water:** WP101044**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101046**GGA:** WP101045**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP98644**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP101031

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.70	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.70	17.4	8.7	8.7

Meter Calibration1: 9.24

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.77

After Incubation

Meter Calibration2: 8.74

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB124110

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 11:50

TIME OUT: 14:00

DATE IN: 02/16/2023

DATE OUT: 02/23/2023

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
LB124110BL	1	No	6.92	N/A	20.00	300	8.76	8.75	0.01	0.01	0.01	
POLYSEED	1					10	8.68	5.95	2.73	0.55	0.57	
POLYSEED	2					15	8.65	4.47	4.18	0.56		
POLYSEED	3					20	8.62	2.56	6.06	0.61		
GGA	1					6	8.65	4.03	4.62	202.5	204.67	
GGA	2					6	8.64	3.92	4.72	207.5		
GGA	3					6	8.50	3.85	4.65	204		
O1573-05	1	No	6.83	N/A	20.00	0.1	8.66	7.36	-	0	1723.5	
O1573-05	2					0.5	8.65	5.33	3.32	1650		
O1573-05	3					1	8.64	2.08	6.56	1797		
O1573-05	4					5	8.63	0.28	-	0		
O1573-05DUP	1	No	6.83	N/A	20.00	0.1	8.65	7.35	-	0	1720.5	
O1573-05DUP	2					0.5	8.64	5.32	3.32	1650		
O1573-05DUP	3					1	8.63	2.09	6.54	1791		
O1573-05DUP	4					5	8.61	0.29	-	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)

66124110

WorkList Name : bod7-2-16 WorkList ID : 167423 Department : Wet-Chemistry Date : 02-16-2023 08:23:25

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/17/2023	Water	O1573-05	BOD_7	1:1 HNO3 to p	AMER08	G32	BOD	02/15/2023	SM5210 B

Date/Time 02/16/2023 10:00
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: CP Sin

Date/Time 02/16/2023 12:00
 Raw Sample Received by: CP Sin
 Raw Sample Relinquished by: RM CWC