

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/16/2023**QC BATCH ID:** LB124521**BOD Water:** WP101524**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101526**GGA:** WP101525**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP101527

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.69

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.34

After Incubation

Meter Calibration2: 8.73

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

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB124521

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 13:30

TIME OUT: 12:30

DATE IN: 03/16/2023

DATE OUT: 03/21/2023

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
LB124521BL	1	No	6.92	N/A	20.10	300	9.33	9.31	0.02	0.02	0.02	
POLYSEED	1					10	9.18	5.82	3.36	0.67	0.61	
POLYSEED	2					15	9.16	4.60	4.56	0.61		
POLYSEED	3					20	9.15	3.72	5.43	0.54		
GGA	1					6	9.30	4.70	4.6	199.5	207.17	
GGA	2					6	9.26	4.58	4.68	203.5		
GGA	3					6	9.25	4.27	4.98	218.5		
O1926-01	1	No	6.43	6.82	20.20	0.5	9.21	6.93	2.28	1002	999.5	pH Adjusted
O1926-01	2					1	9.20	5.60	3.6	897		
O1926-01	3					2	9.06	1.12	7.94	1099.5		
O1926-01	4					3	8.88	0.35	-	0		
O1926-01DUP	1	No	6.43	6.82	20.20	0.5	9.20	6.92	2.28	1002	998.5	pH Adjusted
O1926-01DUP	2					1	9.19	5.61	3.58	891		
O1926-01DUP	3					2	9.07	1.11	7.96	1102.5		
O1926-01DUP	4					3	8.89	0.36	-	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)

VB124521

WorkList Name : bod-3-15

WorkList ID : 168154

Department : Wet-Chemistry

Date : 03-15-2023 08:24:19

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/17/2023	Water	O1926-01	BOD5	Cool 4 deg C	ARAM01	L31	COMP	03/15/2023	SM5210 B

Date/Time 03/16/2023 12:15
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: 49CWC

Date/Time 03/16/2023 13:40
 Raw Sample Received by: 49CWC
 Raw Sample Relinquished by: RM CWC