

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB125073**Analysis Date:** 04/20/2023**BOD Water:** WP102070**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP102072**NaOH, 1N:** WP101216**GGA:** WP102071**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP102042

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: 8.84

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.98

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB125073

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:10

TIME OUT: 13:00

DATE IN: 04/20/2023

DATE OUT: 04/25/2023

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
LB125073BL	1	No	6.63	N/A	20.40	300	9.46	9.45	0.01	0.01	0.01	
POLYSEED	1					10	9.40	6.32	3.08	0.62	0.6	
POLYSEED	2					15	9.37	4.92	4.45	0.59		
POLYSEED	3					20	9.10	3.32	5.78	0.58		
GGA	1					6	9.40	4.76	4.64	202	221	
GGA	2					6	9.39	4.42	4.97	218.5		
GGA	3					6	9.37	3.92	5.45	242.5		
O2432-01	1	No	8.38	7.38	20.00	5	9.45	8.89	-	0		pH Adjusted
O2432-01	2					20	9.44	8.87	-	0		
O2432-01	3					50	9.43	8.35	-	0		
O2432-01	4					150	9.42	8.23	-	0		
O2432-01DUP	1	No	8.38	7.38	20.00	5	9.44	8.90	-	0		pH Adjusted
O2432-01DUP	2					20	9.43	8.86	-	0		
O2432-01DUP	3					50	9.42	8.34	-	0		
O2432-01DUP	4					150	9.41	8.23	-	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)

66125073

WorkList Name : bod4-20

WorkList ID : 169254

Department : Wet-Chemistry

Date : 04-20-2023 15:25:27

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/22/2023	Water	O2432-01	BOD5	Cool 4 deg C	INFR01	O11	BI-WEEKLY-DECANT	04/20/2023	SM5210 B

Date/Time 04/20/2023 15:15
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JPC (CWC)

Date/Time 04/20/2023 16:15
 Raw Sample Received by: JPC (CWC)
 Raw Sample Relinquished by: RM CWC