

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/23/2023**QC BATCH ID:** LB124642**BOD Water:** WP101649**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101651**GGA:** WP101650**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	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.2	18.4	9.2	9.2

Meter Calibration1: 9.00

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.26

After Incubation

Meter Calibration2: 8.70

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB124642

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 14:00

TIME OUT: 13:00

DATE IN: 03/23/2023

DATE OUT: 03/28/2023

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
LB124642BL	1	No	6.72	N/A	20.30	300	9.25	9.24	0.01	0.01	0.01	
POLYSEED	1					10	9.20	6.20	3	0.6	0.54	
POLYSEED	2					15	9.19	5.16	4.03	0.54		
POLYSEED	3					20	9.17	4.28	4.89	0.49		
GGA	1					6	9.19	4.63	4.56	201	209	
GGA	2					6	9.04	4.28	4.76	211		
GGA	3					6	8.99	4.15	4.84	215		
O2040-02	1	No	6.20	6.64	20.50	0.5	9.15	6.26	2.89	1410	1207	pH Adjusted
O2040-02	2					1	9.14	4.77	4.37	1149		
O2040-02	3					2	8.86	1.24	7.62	1062		
O2040-02	4					3	8.82	0.30	-	0		
O2040-02DUP	1	No	6.20	6.64	20.50	0.5	9.16	6.25	2.91	1422	1212	pH Adjusted
O2040-02DUP	2					1	9.15	4.76	4.39	1155		
O2040-02DUP	3					2	8.85	1.25	7.6	1059		
O2040-02DUP	4					3	8.83	0.31	-	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 : bod5-3-23

WorkList ID : 168413

Department : Wet-Chemistry

Date : 03-23-2023 08:20:39

6124642

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/24/2023	Water	O2040-02	BOD5	Cool 4 deg C	ARAM01	L11	COMP	03/22/2023	SM5210 B

Date/Time 03/23/2023 13:00
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JDC

Date/Time 03/23/2023 14:10
 Raw Sample Received by: JDC
 Raw Sample Relinquished by: RM CWC