

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/23/2023**QC BATCH ID:** LB124654**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: LB124654

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:15

TIME OUT: 13:30

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
LB124654BL	1	No	6.67	N/A	20.40	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		
O2069-01	1	No	7.88	7.35	20.00	5	9.22	8.75	-	0	3.4	pH Adjusted
O2069-01	2					20	9.21	8.51	-	0		
O2069-01	3					50	9.20	8.43	-	0		
O2069-01	4					150	9.19	6.95	2.24	3.4		
O2069-01DUP	1	No	7.88	7.35	20.00	5	9.21	8.74	-	0	3.36	pH Adjusted
O2069-01DUP	2					20	9.20	8.52	-	0		
O2069-01DUP	3					50	9.19	8.42	-	0		
O2069-01DUP	4					150	9.18	6.96	2.22	3.36		
O2069-02	1	No	7.84	7.31	20.00	5	9.22	8.76	-	0		pH Adjusted
O2069-02	2					20	9.21	8.50	-	0		
O2069-02	3					50	9.20	8.43	-	0		
O2069-02	4					150	9.18	7.38	-	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)

LB124654

WorkList Name : BOD 5-3-23

WorkList ID : 168440

Department : Wet-Chemistry

Date : 03-23-2023 14:25:25

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/24/2023	Water	O2069-01 E	BOD5	Cool 4 deg C	ENV170	M11	API-3-3	03/22/2023	SM5210 B
03/24/2023	Water	O2069-02 E	BOD5	Cool 4 deg C	ENV170	M11	API-3-4	03/22/2023	SM5210 B

Date/Time 03/23/2023 15:00
 Raw Sample Received by: RM CWG
 Raw Sample Relinquished by: JH WCI

Date/Time 03/23/2023 16:20
 Raw Sample Received by: JH WCI
 Raw Sample Relinquished by: RM CWG