

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 06/22/2023**QC BATCH ID:** LB126128**BOD Water:** WP103029**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP103031**GGA:** WP103030**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP102602

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: 8.97

Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.14

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB126128

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 16:30

TIME OUT: 12:30

DATE IN: 06/22/2023

DATE OUT: 06/27/2023

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
LB126128BL	1	No	6.57	N/A	20.40	300	9.43	9.42	0.01	0.01	0.01	
POLYSEED	1					10	9.33	6.38	2.95	0.59	0.61	
POLYSEED	2					15	9.26	4.58	4.68	0.62		
POLYSEED	3					20	9.23	2.92	6.31	0.63		
GGA	1					6	9.21	5.28	3.93	166	182.83	
GGA	2					6	9.19	4.89	4.3	184.5		
GGA	3					6	9.14	4.57	4.57	198		
O3364-02	1	No	6.70	N/A	20.20	0.5	9.10	8.60	-	0	164	
O3364-02	2					1	9.03	8.32	-	0		
O3364-02	3					2	8.98	7.28	-	0		
O3364-02	4					3	8.86	6.61	2.25	164		
O3364-02DUP	1	No	6.70	N/A	20.20	0.5	9.06	8.24	-	0	173	
O3364-02DUP	2					1	9.02	7.86	-	0		
O3364-02DUP	3					2	8.96	7.07	-	0		
O3364-02DUP	4					3	8.81	6.47	2.34	173		
O3370-01	1	No	8.40	7.41	20.30	5	9.00	8.82	-	0		pH Adjusted
O3370-01	2					20	8.95	8.58	-	0		
O3370-01	3					50	8.93	8.27	-	0		
O3370-01	4					150	8.89	7.92	-	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)

6126128

WorkList Name : bod-6-21

WorkList ID : 171139

Department : Wet-Chemistry

Date : 06-21-2023 08:26:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3370-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	H11	06/21/2023	SM5210 B
O3364-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D11	06/21/2023	SM5210 B

Date/Time 06/22/2023 15:00
 Raw Sample Received by: RMA CWC
 Raw Sample Relinquished by: AWC

Date/Time 06/22/2023 16:00
 Raw Sample Received by: 1/60C
 Raw Sample Relinquished by: RMA CWC