

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB127101**Analysis Date:** 08/31/2023**BOD Water:** WP103963**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP102923**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP103965**NaOH, 1N:** WP101216**GGA:** WP103964**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP103555

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: 9.40

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.31

After Incubation

Meter Calibration2: 8.71

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB127101

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 08:50

TIME OUT: 10:15

DATE IN: 08/31/2023

DATE OUT: 09/05/2023

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
LB127101BL	1	No	6.66	N/A	20.30	300	9.30	9.29	0.01	0.01	0.01	
POLYSEED	1					10	9.27	5.55	3.72	0.74	0.68	
POLYSEED	2					15	9.25	4.01	5.24	0.7		
POLYSEED	3					20	9.24	3.22	6.02	0.6		
GGA	1					6	9.21	5.19	4.02	167	176.83	
GGA	2					6	9.23	5.01	4.22	177		
GGA	3					6	9.20	4.79	4.41	186.5		
O4130-01	1	No	6.92	N/A	20.70	5	9.24	7.59	-	0	21.48	
O4130-01	2					20	9.08	6.02	3.06	35.7		
O4130-01	3					50	8.57	6.77	-	0		
O4130-01	4					150	6.89	2.58	4.31	7.26		
O4131-01	1	No	7.31	N/A	20.60	5	9.22	7.67	-	0	28.89	
O4131-01	2					20	9.00	6.88	2.12	21.6		
O4131-01	3					50	8.84	2.13	6.71	36.18		
O4131-01	4					150	5.49	0.30	-	0		
O4233-02	1	No	6.20	6.67	20.00	0.5	9.00	5.78	3.22	1524	1539	pH Adjusted
O4233-02	2					1	8.96	3.10	5.86	1554		
O4233-02	3					2	8.86	0.89	-	0		
O4233-02	4					3	8.72	0.30	-	0		
O4233-02DUP	1	No	6.20	6.67	20.00	0.5	9.02	5.85	3.17	1494	1522.5	pH Adjusted
O4233-02DUP	2					1	8.98	3.13	5.85	1551		
O4233-02DUP	3					2	8.87	0.81	-	0		
O4233-02DUP	4					3	8.69	0.24	-	0		
O4237-01	1	No	8.43	7.40	20.00	5	9.18	7.67	-	0	7.48	pH Adjusted
O4237-01	2					20	9.15	7.47	-	0		
O4237-01	3					50	9.09	6.55	2.54	11.16		
O4237-01	4					150	9.07	6.49	2.58	3.8		

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)

6127101

WorkList Name : bod-8-30

WorkList ID : 173164

Department : Wet-Chemistry

Date : 08-30-2023 08:29:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4237-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	N11	08/30/2023	SM5210 B
O4130-01	PIT	Water	BOD5	Cool 4 deg C	URBA02	J23	08/29/2023	SM5210 B
O4131-01	PIT	Water	BOD5	Cool 4 deg C	URBA02	J23	08/29/2023	SM5210 B
O4233-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L11	08/31/2023	SM5210 B

Date/Time 08/31/2023 07:56
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JAG CWC

Date/Time 08/31/2023 09:30
 Raw Sample Received by: JAG CWC
 Raw Sample Relinquished by: RM CWC