

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 11/22/2023**QC BATCH ID:** LB128439**BOD Water:** WP105432**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP102923**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP105434**NaOH, 1N:** WP103989**GGA:** WP105433**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2965**GuageID:** 0511064**pH Strips:** W3056**Zero DO:** WP105067

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: 8.58

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.42

After Incubation

Meter Calibration2: 8.67

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB128439

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:00

TIME OUT: 13:00

DATE IN: 11/22/2023

DATE OUT: 11/27/2023

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
LB128439BL	1	No	6.83	N/A	20.80	300	9.41	9.39	0.02	0.02	0.02	
POLYSEED	1					10	9.40	6.03	3.37	0.67	0.62	
POLYSEED	2					15	9.37	4.74	4.63	0.62		
POLYSEED	3					20	9.36	3.57	5.79	0.58		
GGA	1					6	9.37	5.23	4.14	176	183.33	
GGA	2					6	9.33	5.11	4.22	180		
GGA	3					6	9.33	4.83	4.5	194		
O5523-01	1	No	6.91	N/A	20.80	1	9.39	8.13	-	0	93.9	
O5523-01	2					2	9.37	7.95	-	0		
O5523-01	3					5	9.35	7.07	2.28	99.6		
O5523-01	4					10	9.34	5.78	3.56	88.2		
O5523-01DUP	1	No	6.91	N/A	20.80	1	9.38	8.01	-	0	93	
O5523-01DUP	2					2	9.37	7.83	-	0		
O5523-01DUP	3					5	9.36	7.15	2.21	95.4		
O5523-01DUP	4					10	9.34	5.70	3.64	90.6		
O5523-02	1	No	6.96	N/A	20.80	1	9.35	8.34	-	0	87.15	
O5523-02	2					2	9.33	7.43	-	0		
O5523-02	3					5	9.32	7.11	2.21	95.4		
O5523-02	4					10	9.22	5.97	3.25	78.9		
O5531-01	1	No	8.32	7.42	20.00	5	9.39	8.59	-	0	3	pH Adjusted
O5531-01	2					20	9.35	8.33	-	0		
O5531-01	3					50	9.25	7.34	-	0		
O5531-01	4					150	9.17	7.05	2.12	3		
O5542-02	1	No	6.08	6.71	20.70	0.5	9.25	6.11	3.14	1512	1197	pH Adjusted
O5542-02	2					1	9.17	5.61	3.56	882		
O5542-02	3					2	9.11	0.79	-	0		
O5542-02	4					3	9.08	0.23	-	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)

6128439

WorkList Name : bod511-22 WorkList ID : 175785 Department : Wet-Chemistry Date : 11-22-2023 08:06:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5523-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	L31	11/21/2023	SM5210 B
O5523-02	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	L31	11/21/2023	SM5210 B
O5531-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	L11	11/22/2023	SM5210 B
O5542-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L11	11/22/2023	SM5210 B

Date/Time 11/22/2023 14:30
 Raw Sample Received by: RM awc
 Raw Sample Relinquished by: 12/5/21

Date/Time 11/22/2023 15:30
 Raw Sample Received by: 12/5/21
 Raw Sample Relinquished by: RM awc