

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 11/08/2023**QC BATCH ID:** LB128224**BOD Water:** WP105203**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP105205**GGA:** WP105204**Chlorine Strips:** W2965**pH Strips:** W3056**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**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: 8.66

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.44

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

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB128224

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 08:30

TIME OUT: 11:00

DATE IN: 11/08/2023

DATE OUT: 11/13/2023

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
LB128224BL	1	No	6.84	N/A	20.50	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.45	6.28	3.17	0.63	0.6	
POLYSEED	2					15	9.40	4.78	4.62	0.62		
POLYSEED	3					20	9.39	3.92	5.47	0.55		
GGA	1					6	9.42	5.15	4.27	183.5	191	
GGA	2					6	9.42	5.02	4.4	190		
GGA	3					6	9.40	4.81	4.59	199.5		
O5280-02	1	No	6.68	N/A	20.00	5	9.43	7.92	-	0	60.8	
O5280-02	2					20	9.26	3.41	5.85	78.75		
O5280-02	3					50	8.92	1.18	7.74	42.84		
O5280-02	4					150	6.43	0.40	-	0		
O5280-02DUP	1	No	6.68	N/A	20.00	5	9.42	8.08	-	0	59.8	
O5280-02DUP	2					20	9.30	3.55	5.75	77.25		
O5280-02DUP	3					50	8.89	1.23	7.66	42.36		
O5280-02DUP	4					150	6.40	0.38	-	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)

6128224

WorkList Name : bod5-11-07 WorkList ID : 175360 Department : Wet-Chemistry Date : 11-07-2023 15:45:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5280-02 J	MH-1-GW	Water	BOD5	Cool 4 deg C	PSEG03	I41	11/06/2023	SM5210 B

Date/Time 11/08/2023 07:30
Raw Sample Received by: RM gws
Raw Sample Relinquished by: JH CCEC

Date/Time 11/08/2023 08:20
Raw Sample Received by: JH CCEC
Raw Sample Relinquished by: RM gws