

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 11/15/2023**QC BATCH ID:** LB128333**BOD Water:** WP105320**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP105322**GGA:** WP105321**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: 9.05

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

Barometric Pressure1: 776 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.34

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB128333

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 14:30

TIME OUT: 11:30

DATE IN: 11/15/2023

DATE OUT: 11/20/2023

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
LB128333BL	1	No	6.80	N/A	20.40	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.42	6.57	2.85	0.57	0.59	
POLYSEED	2					15	9.40	4.59	4.81	0.64		
POLYSEED	3					20	9.38	3.73	5.65	0.57		
GGA	1					6	9.43	5.29	4.14	177.5	190	
GGA	2					6	9.42	5.05	4.37	189		
GGA	3					6	9.37	4.71	4.66	203.5		
O5422-01	1	No	7.11	N/A	20.00	5	9.43	8.67	-	0	16.27	
O5422-01	2					20	9.42	8.29	-	0		
O5422-01	3					50	9.40	5.79	3.61	18.12		
O5422-01	4					150	9.37	1.57	7.8	14.42		
O5422-03	1	No	7.07	N/A	20.00	5	9.42	8.77	-	0	5.52	
O5422-03	2					20	9.41	8.47	-	0		
O5422-03	3					50	9.40	8.08	-	0		
O5422-03	4					150	9.38	6.03	3.35	5.52		
O5422-05	1	No	7.15	N/A	20.60	5	9.41	7.23	2.18	95.4	36.72	
O5422-05	2					20	9.40	6.98	2.42	27.45		
O5422-05	3					50	9.39	6.01	3.38	16.74		
O5422-05	4					150	9.38	5.14	4.24	7.3		
O5433-01	1	No	6.15	6.72	20.00	0.5	9.39	6.60	2.79	1320	1167	pH Adjusted
O5433-01	2					1	9.35	4.19	5.16	1371		
O5433-01	3					2	9.24	3.25	5.99	810		
O5433-01	4					3	9.12	0.31	-	0		
O5433-01DUP	1	No	6.15	6.72	20.00	0.5	9.40	6.79	2.61	1212	1128.5	pH Adjusted
O5433-01DUP	2					1	9.37	4.30	5.07	1344		
O5433-01DUP	3					2	9.24	3.12	6.12	829.5		
O5433-01DUP	4					3	9.14	0.34	-	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)

6128333

WorkList Name : bod-11-15

WorkList ID : 175586

Department : Wet-Chemistry

Date : 11-15-2023 08:11:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5422-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	L31	11/14/2023	SM5210 B
O5422-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	L31	11/14/2023	SM5210 B
O5422-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	L31	11/14/2023	SM5210 B
O5433-01	GRAB	Water	BOD5	Cool 4 deg C	ARAM01	L11	11/15/2023	SM5210 B

Date/Time 11/15/2023 12:00
 Raw Sample Received by: RM
 Raw Sample Relinquished by: J. W. C.

Date/Time 11/15/2023 14:00
 Raw Sample Received by: J. W. C.
 Raw Sample Relinquished by: RM C. W.