

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 12/06/2023**QC BATCH ID:** LB128572**BOD Water:** WP105566**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP105568**GGA:** WP105567**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:** WP105586

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: 8.85

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.35

After Incubation

Meter Calibration2: 8.74

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB128572

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 07:15

TIME OUT: 08:50

DATE IN: 12/06/2023

DATE OUT: 12/11/2023

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
LB128572BL	1	No	6.69	N/A	20.50	300	9.34	9.33	0.01	0.01	0.01	
POLYSEED	1					10	9.32	6.54	2.78	0.56	0.53	
POLYSEED	2					15	9.30	5.21	4.09	0.55		
POLYSEED	3					20	9.28	4.61	4.67	0.47		
GGA	1					6	9.33	5.20	4.13	180	186.17	
GGA	2					6	9.30	5.07	4.23	185		
GGA	3					6	9.30	4.90	4.4	193.5		
O5620-01	1	No	6.35	6.81	20.60	5	9.30	3.51	5.79	315.6	202.35	pH Adjusted
O5620-01	2					20	8.52	2.05	6.47	89.1		
O5620-01	3					50	6.28	0.28	-	0		
O5620-01	4					150	0.93	0.45	-	0		
O5632-01	1	No	6.56	N/A	20.00	5	9.33	7.12	2.21	100.8	42.84	
O5632-01	2					20	9.15	5.92	3.23	40.5		
O5632-01	3					50	8.81	4.84	3.97	20.64		
O5632-01	4					150	6.55	1.31	5.24	9.42		
O5632-01DUP	1	No	6.56	N/A	20.00	5	9.33	7.20	2.13	96	42	
O5632-01DUP	2					20	9.18	5.81	3.37	42.6		
O5632-01DUP	3					50	8.78	4.90	3.88	20.1		
O5632-01DUP	4					150	6.52	1.33	5.19	9.32		

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)

6128572

WorkList Name : bod5-12-05

WorkList ID : 176068

Department : Wet-Chemistry

Date : 12-05-2023 16:15:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5620-01	OILY-WATER-TOTE	Water	BOD5	Cool 4 deg C	PSEG03	L41	12/04/2023	SM5210 B
O5632-01	RW1	Water	BOD5	Cool 4 deg C	GENV01	L11	12/05/2023	SM5210 B

Date/Time 12/06/2023
 Raw Sample Received by: RPT
 Raw Sample Relinquished by: J. H. H. H.

Date/Time 12/06/2023
 Raw Sample Received by: J. H. H. H.
 Raw Sample Relinquished by: RPT