

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 11/02/2023**QC BATCH ID:** LB128143**BOD Water:** WP105077**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP105079**GGA:** WP105078**Chlorine Strips:** W2010**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	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 9.17

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

Barometric Pressure1: 776 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.37

After Incubation

Meter Calibration2: 8.74

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB128143

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:00

TIME OUT: 12:00

DATE IN: 11/02/2023

DATE OUT: 11/07/2023

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
LB128143BL	1	No	6.63	N/A	20.80	300	9.36	9.35	0.01	0.01	0.01	
POLYSEED	1					10	9.34	5.73	3.61	0.72	0.64	
POLYSEED	2					15	9.33	4.38	4.95	0.66		
POLYSEED	3					20	9.30	3.80	5.5	0.55		
GGA	1					6	9.31	4.89	4.42	189	201.33	
GGA	2					6	9.27	4.49	4.78	207		
GGA	3					6	9.26	4.46	4.8	208		
O5095-01	1	No	6.84	N/A	20.00	5	9.35	8.92	-	0	18.74	
O5095-01	2					20	9.32	8.02	-	0		
O5095-01	3					50	9.30	4.80	4.5	23.16		
O5095-01	4					150	9.28	1.48	7.8	14.32		
O5208-02	1	No	6.37	6.70	20.00	0.5	9.27	5.10	4.17	2118	1400.5	pH Adjusted
O5208-02	2					1	9.25	4.82	4.43	1137		
O5208-02	3					2	9.23	2.28	6.95	946.5		
O5208-02	4					3	9.18	0.40	-	0		
O5209-01	1	No	8.42	7.36	20.00	5	9.33	8.76	-	0		pH Adjusted
O5209-01	2					20	9.32	8.51	-	0		
O5209-01	3					50	9.30	8.16	-	0		
O5209-01	4					150	9.28	7.33	-	0		
O5209-01DUP	1	No	8.42	7.36	20.00	5	9.34	8.88	-	0		pH Adjusted
O5209-01DUP	2					20	9.33	8.40	-	0		
O5209-01DUP	3					50	9.30	8.09	-	0		
O5209-01DUP	4					150	9.29	7.40	-	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)

6128143

WorkList Name : bod5-11-1

WorkList ID : 175155

Department : Wet-Chemistry

Date : 11-01-2023 08:26:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5209-01 E	MONTHLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	K11	11/01/2023	SM5210 B
O5208-02 C	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	11/01/2023	SM5210 B
O5095-01 S	F07367	Water	BOD5	Cool 4 deg C	PSEG03	I41	11/02/2023	SM5210 B

Date/Time 11/02/2023 13:00

Raw Sample Received by: Rpa cur

Raw Sample Relinquished by: [Signature]

Date/Time 11/02/2023 16:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]