

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 02/03/2023**QC BATCH ID:** LB123936**BOD Water:** WP100844**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP100846**GGA:** WP100845**Chlorine Strips:** W2011**pH Strips:** W2833**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP98644**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP100617

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.80	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.80	17.6	8.8	8.8

Meter Calibration1: 8.54

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.77

After Incubation

Meter Calibration2: 9.26

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB123936

INCUBATOR TEMP IN(C): 20.9

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 17:30

TIME OUT: 15:00

DATE IN: 02/03/2023

DATE OUT: 02/08/2023

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
LB123936BL	1	No	7.10	N/A	20.10	300	8.76	8.75	0.01	0.01	0.01	
POLYSEED	1					10	8.64	4.62	4.02	0.8	0.61	
POLYSEED	2					15	8.51	4.28	4.23	0.56		
POLYSEED	3					20	8.48	3.81	4.67	0.47		
GGA	1					6	8.62	4.47	4.15	177	178.67	
GGA	2					6	8.59	4.39	4.2	179.5		
GGA	3					6	8.52	4.32	4.2	179.5		
O1440-01	1	No	7.06	N/A	20.10	5	8.74	7.00	-	0		
O1440-01	2					20	8.73	6.99	-	0		
O1440-01	3					50	8.72	6.97	-	0		
O1440-01	4					150	8.71	6.96	-	0		
O1441-01	1	No	6.96	N/A	20.00	5	8.75	8.29	-	0	22.05	
O1441-01	2					20	8.74	6.66	2.08	22.05		
O1441-01	3					50	8.68	0.60	-	0		
O1441-01	4					150	8.57	0.59	-	0		
O1441-01DUP	1	No	6.96	N/A	20.00	5	8.74	8.30	-	0	21.75	
O1441-01DUP	2					20	8.73	6.67	2.06	21.75		
O1441-01DUP	3					50	8.69	0.61	-	0		
O1441-01DUP	4					150	8.58	0.60	-	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)

66123936

WorkList Name : BOD2-3 WorkList ID : 167115 Department : Wet-Chemistry Date : 02-03-2023 14:44:56

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/05/2023	Water	O1440-01	Ø BOD5	Cool 4 deg C	PSEG03	F11	MH-1	02/03/2023	SM5210 B
02/05/2023	Water	O1441-01	Ø BOD5	Cool 4 deg C	PSEG03	F11	CMS-OWS-OUTLET	02/03/2023	SM5210 B

Date/Time 02/03/2023 16:45
 Raw Sample Received by: RM fwcj
 Raw Sample Relinquished by: CB (p2)

Date/Time 02/03/2023 17:30
 Raw Sample Received by: CB (m)
 Raw Sample Relinquished by: RM cwe