

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB125628**Analysis Date:** 05/24/2023**BOD Water:** WP102599**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP102601**NaOH, 1N:** WP101216**GGA:** WP102600**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP102602

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: 9.01

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.11

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB125628

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 10:10

TIME OUT: 12:00

DATE IN: 05/24/2023

DATE OUT: 05/29/2023

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
LB125628BL	1	No	6.70	N/A	20.50	300	9.46	9.45	0.01	0.01	0.01	
POLYSEED	1					10	9.44	5.09	4.35	0.87	0.73	
POLYSEED	2					15	9.42	4.28	5.14	0.69		
POLYSEED	3					20	9.41	3.06	6.35	0.64		
GGA	1					6	9.42	4.92	4.5	188.5	217.5	
GGA	2					6	9.38	4.18	5.2	223.5		
GGA	3					6	9.37	3.83	5.54	240.5		
O2891-03	1	No	6.78	N/A	20.30	5	9.34	7.73	-	0	11.01	
O2891-03	2					20	9.29	7.35	-	0		
O2891-03	3					50	9.10	6.74	2.36	9.78		
O2891-03	4					150	8.45	1.60	6.85	12.24		
O2891-03DUP	1	No	6.78	N/A	20.30	5	9.33	7.71	-	0	10.86	
O2891-03DUP	2					20	9.28	7.35	-	0		
O2891-03DUP	3					50	9.09	6.76	2.33	9.6		
O2891-03DUP	4					150	8.43	1.64	6.79	12.12		

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)

WorkList Name : BOD5-5-23

WorkList ID : 170261

Department : Wet-Chemistry

Date : 05-23-2023 17:16:01

6125628

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O2891-03	A653	Water	BOD5	Cool 4 deg C	PSEG03	O11	05/22/2023	SM5210 B

Date/Time 05/24/2023 09:00
 Raw Sample Received by: RA Cury
 Raw Sample Relinquished by: JWC

Date/Time 05/24/2023 10:20
 Raw Sample Received by: JWC
 Raw Sample Relinquished by: RA Cury