

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/09/2023**QC BATCH ID:** LB124427**BOD Water:** WP101374**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2941**POLYSEED:** WP101376**NaOH, 1N:** WP101216**GGA:** WP101375**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP101031

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.70	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.70	17.4	8.7	8.7

Meter Calibration1: 8.90

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.78

After Incubation

Meter Calibration2: 8.62

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB124427

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 21.3

TIME IN: 15:20

TIME OUT: 13:30

DATE IN: 03/09/2023

DATE OUT: 03/14/2023

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
LB124427BL	1	No	6.92	N/A	20.20	300	8.77	8.76	0.01	0.01	0.01	
POLYSEED	1					10	8.61	5.67	2.94	0.59	0.55	
POLYSEED	2					15	8.47	4.52	3.95	0.53		
POLYSEED	3					20	8.16	3.01	5.15	0.52		
GGA	1					6	8.34	4.13	4.21	183	189.5	
GGA	2					6	8.32	3.95	4.37	191		
GGA	3					6	8.31	3.87	4.44	194.5		
O1783-02	1	No	6.59	N/A	20.40	5	8.62	7.33	-	0	3.44	
O1783-02	2					20	8.60	7.32	-	0		
O1783-02	3					50	8.59	7.30	-	0		
O1783-02	4					150	8.58	6.31	2.27	3.44		
O1783-02DUP	1	No	6.59	N/A	20.40	5	8.63	7.34	-	0	3.48	
O1783-02DUP	2					20	8.62	7.33	-	0		
O1783-02DUP	3					50	8.60	7.31	-	0		
O1783-02DUP	4					150	8.59	6.30	2.29	3.48		
O1783-04	1	No	7.07	N/A	20.30	5	8.69	8.32	-	0	6.38	
O1783-04	2					20	8.68	7.40	-	0		
O1783-04	3					50	8.64	6.68	-	0		
O1783-04	4					150	8.63	4.89	3.74	6.38		
O1783-06	1	No	6.81	N/A	20.70	5	8.65	7.81	-	0	2.94	
O1783-06	2					20	8.59	7.19	-	0		
O1783-06	3					50	8.58	7.17	-	0		
O1783-06	4					150	8.57	6.55	2.02	2.94		

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)

16124427

WorkList Name : bod-3-9

WorkList ID : 168019

Department : Wet-Chemistry

Date : 03-09-2023 08:27:02

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/10/2023	Water	O1783-02	BOD5	Cool 4 deg C	PSEG04	E11	DSN001	03/08/2023	SM5210 B
03/10/2023	Water	O1783-04	BOD5	Cool 4 deg C	PSEG04	E11	DSN002	03/08/2023	SM5210 B
03/10/2023	Water	O1783-06	BOD5	Cool 4 deg C	PSEG04	E11	DSN003	03/08/2023	SM5210 B

Date/Time 03/09/2023 14:00
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: RM CWC

Date/Time 03/09/2023 15:30
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: RM CWC