

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/07/2023**QC BATCH ID:** LB127173**BOD Water:** WP104019**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104021**GGA:** WP104020**Chlorine Strips:** W2011**pH Strips:** W3045**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP104002

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: 8.60

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 20.0

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB127173

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 18:20

TIME OUT: 13:30

DATE IN: 09/07/2023

DATE OUT: 09/12/2023

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
LB127173BL	1	No	6.68	N/A	20.50	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.42	6.30	3.12	0.62	0.6	
POLYSEED	2					15	9.40	5.01	4.39	0.59		
POLYSEED	3					20	9.39	3.39	6	0.6		
GGA	1					6	9.41	5.38	4.03	171.5	189	
GGA	2					6	9.39	4.98	4.41	190.5		
GGA	3					6	9.37	4.67	4.7	205		
O4317-02	1	No	6.76	N/A	20.00	5	9.43	8.82	-	0		
O4317-02	2					20	9.42	8.55	-	0		
O4317-02	3					50	9.40	7.98	-	0		
O4317-02	4					150	9.39	7.83	-	0		
O4317-04	1	No	7.30	N/A	20.00	5	9.42	8.28	-	0	13.17	
O4317-04	2					20	9.41	7.19	2.22	24.3		
O4317-04	3					50	9.40	7.00	2.4	10.8		
O4317-04	4					150	9.38	6.57	2.81	4.42		
O4317-06	1	No	7.16	N/A	20.00	5	9.41	8.81	-	0		
O4317-06	2					20	9.40	8.51	-	0		
O4317-06	3					50	9.39	8.42	-	0		
O4317-06	4					150	9.37	8.34	-	0		
O4337-01	1	No	6.11	6.69	20.00	0.05	9.42	7.46	-	0	7282.5	pH Adjuster
O4337-01	2					0.1	9.39	6.36	3.03	7290		
O4337-01	3					0.2	9.35	3.90	5.45	7275		
O4337-01	4					0.5	9.28	0.39	-	0		
O4337-01	5					1	9.00	0.22	-	0		
O4337-01DUP	1	No	6.11	6.69	20.00	0.05	9.43	7.54	-	0	7417.5	pH Adjuster
O4337-01DUP	2					0.1	9.40	6.27	3.13	7590		
O4337-01DUP	3					0.2	9.38	3.95	5.43	7245		
O4337-01DUP	4					0.5	9.28	0.41	-	0		
O4337-01DUP	5					1	9.03	0.19	-	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)

06127173

WorkList Name : bod-9-07

WorkList ID : 173346

Department : Wet-Chemistry

Date : 09-07-2023 08:38:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4317-02	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	N11	09/06/2023	SM5210 B
O4317-04	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	N11	09/06/2023	SM5210 B
O4317-06	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	N11	09/06/2023	SM5210 B
O4337-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	N11	09/07/2023	SM5210 B

Date/Time 09/07/2023 16:00
 Raw Sample Received by: RM cwc
 Raw Sample Relinquished by: AHC

Date/Time 09/07/2023 18:00
 Raw Sample Received by: AHC
 Raw Sample Relinquished by: RM cwc