

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/12/2023**QC BATCH ID:** LB127780**BOD Water:** WP104664**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104666**GGA:** WP104665**Chlorine Strips:** W2011**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:** WP104465

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: 9.45

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.44

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB127780

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 16:00

TIME OUT: 13:00

DATE IN: 10/12/2023

DATE OUT: 10/17/2023

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
LB127780BL	1	No	6.75	N/A	20.40	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.42	5.60	3.82	0.76	0.67	
POLYSEED	2					15	9.40	4.19	5.21	0.69		
POLYSEED	3					20	9.39	3.87	5.52	0.55		
GGA	1					6	9.38	5.17	4.21	177	181.83	
GGA	2					6	9.37	5.14	4.23	178		
GGA	3					6	9.35	4.87	4.48	190.5		
O4845-02	1	No	6.25	6.79	20.20	0.5	9.40	7.05	2.35	1008	775	pH Adjusted
O4845-02	2					1	9.35	6.57	2.78	633		
O4845-02	3					2	9.28	4.05	5.23	684		
O4845-02	4					3	9.20	0.42	-	0		
O4859-01	1	No	7.19	N/A	20.00	5	9.39	8.89	-	0		
O4859-01	2					20	9.29	8.17	-	0		
O4859-01	3					50	9.07	7.56	-	0		
O4859-01	4					150	8.12	6.72	-	0		
O4859-01DUP	1	No	7.19	N/A	20.00	5	9.37	8.70	-	0		
O4859-01DUP	2					20	9.29	8.09	-	0		
O4859-01DUP	3					50	9.10	7.51	-	0		
O4859-01DUP	4					150	8.11	6.69	-	0		
O4870-01	1	No	7.31	N/A	20.60	5	9.38	6.22	3.16	149.4	102	
O4870-01	2					20	9.17	4.86	4.31	54.6		
O4870-01	3					50	8.67	0.41	-	0		
O4870-01	4					150	6.70	0.34	-	0		
O4872-01	1	No	8.41	7.28	20.20	5	9.42	8.15	-	0	4.38	pH Adjusted
O4872-01	2					20	9.41	8.04	-	0		
O4872-01	3					50	9.40	7.45	-	0		
O4872-01	4					150	9.36	6.50	2.86	4.38		

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)

06127780

WorkList Name : bod5-10-11

WorkList ID : 174467

Department : Wet-Chemistry

Date : 10-11-2023 08:17:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4845-02 A	COMP	Water	BOD5	Cool 4 deg C	ARAM01	E31	10/11/2023	SM5210 B
O4859-01 K	SVS-GROUNDWATER	Water	BOD5	Cool 4 deg C	PSEG03	E31	10/11/2023	SM5210 B
O4870-01 F	QUARTERLY-INFLUENT	Water	BOD5	Cool 4 deg C	INFR01	E21	10/11/2023	SM5210 B
O4872-01 F	QUARTERLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	E21	10/11/2023	SM5210 B

Date/Time 10/12/2023 14:00
 Raw Sample Received by: RA CWC
 Raw Sample Relinquished by: RA CWC

Date/Time 10/12/2023 15:30
 Raw Sample Received by: RA CWC
 Raw Sample Relinquished by: RA CWC