

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/19/2023**QC BATCH ID:** LB127879**BOD Water:** WP104816**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104818**GGA:** WP104817**Chlorine Strips:** W2010**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: 9.44

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 9.44

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

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB127879

INCUBATOR TEMP IN(C): 19.7

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 12:30

TIME OUT: 10:00

DATE IN: 10/19/2023

DATE OUT: 10/24/2023

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
LB127879BL	1	No	6.69	N/A	20.40	300	9.45	9.44	0.01	0.01	0.01	
POLYSEED	1					10	9.43	5.46	3.97	0.79	0.71	
POLYSEED	2					15	9.41	3.98	5.43	0.72		
POLYSEED	3					20	9.40	3.28	6.12	0.61		
GGA	1					6	9.42	4.89	4.53	191	198.33	
GGA	2					6	9.42	4.71	4.71	200		
GGA	3					6	9.37	4.58	4.79	204		
O4951-02	1	No	6.48	6.67	20.20	0.5	9.44	6.29	3.15	1464	1153.5	pH Adjusted
O4951-02	2					1	9.41	5.54	3.87	948		
O4951-02	3					2	9.24	1.54	7.7	1048.5		
O4951-02	4					3	9.15	0.40	-	0		
O4951-02DUP	1	No	6.48	6.67	20.20	0.5	9.44	6.36	3.08	1422	1129.5	pH Adjusted
O4951-02DUP	2					1	9.41	5.62	3.79	924		
O4951-02DUP	3					2	9.27	1.61	7.66	1042.5		
O4951-02DUP	4					3	9.17	0.35	-	0		
O4954-01	1	No	8.54	7.38	20.30	5	9.43	8.94	-	0		pH Adjusted
O4954-01	2					20	9.42	8.72	-	0		
O4954-01	3					50	9.40	8.60	-	0		
O4954-01	4					150	9.39	8.41	-	0		
O4957-01	1	No	7.62	7.40	20.40	5	9.44	8.83	-	0	3.36	pH Adjusted
O4957-01	2					20	9.40	8.49	-	0		
O4957-01	3					50	9.33	7.96	-	0		
O4957-01	4					150	8.86	6.47	2.39	3.36		
O4957-02	1	No	7.30	N/A	20.60	5	9.43	8.45	-	0		
O4957-02	2					20	9.38	8.24	-	0		
O4957-02	3					50	9.26	8.12	-	0		
O4957-02	4					150	8.52	8.02	-	0		
O4957-03	1	No	7.31	N/A	20.60	5	9.44	8.85	-	0		
O4957-03	2					20	9.40	8.69	-	0		
O4957-03	3					50	9.27	8.24	-	0		
O4957-03	4					150	8.51	8.05	-	0		
O4957-04	1	No	7.64	7.42	20.60	5	9.41	8.46	-	0		pH Adjusted
O4957-04	2					20	9.39	8.17	-	0		
O4957-04	3					50	9.34	8.04	-	0		
O4957-04	4					150	8.96	7.24	-	0		
O4958-02	1	No	7.66	7.38	20.70	0.5	9.40	8.43	-	0	197.5	pH Adjusted
O4958-02	2					1	9.38	8.07	-	0		
O4958-02	3					2	9.25	7.20	2.05	201		
O4958-02	4					3	9.16	6.51	2.65	194		

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)

6127879

WorkList Name : bod5-10-19

WorkList ID : 174707

Department : Wet-Chemistry

Date : 10-19-2023 08:21:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4951-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01,	E11	10/18/2023	SM5210 B
O4954-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	E11	10/18/2023	SM5210 B
O4957-01	MH-E	Water	BOD5	Cool 4 deg C	PSEG03	D31	10/18/2023	SM5210 B
O4957-02	MH-F	Water	BOD5	Cool 4 deg C	PSEG03	D31	10/18/2023	SM5210 B
O4957-03	MH-G	Water	BOD5	Cool 4 deg C	PSEG03	D31	10/18/2023	SM5210 B
O4957-04	MH-H	Water	BOD5	Cool 4 deg C	PSEG03	D31	10/18/2023	SM5210 B
O4958-02	EFF-WASTE-WATER	Water	BOD5	Cool 4 deg C	ARDM01	E11	10/18/2023	SM5210 B

Date/Time 10/19/2023 10:00
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JH CWC

Date/Time 10/19/2023 12:00
 Raw Sample Received by: JH CWC
 Raw Sample Relinquished by: RM CWC