

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/21/2023**QC BATCH ID:** LB127411**BOD Water:** WP104294**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104296**GGA:** WP104295**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: 9.39

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.40

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB127411

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 11:15

TIME OUT: 10:00

DATE IN: 09/21/2023

DATE OUT: 09/26/2023

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
LB127411BL	1	No	6.69	N/A	20.00	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.42	6.42	3	0.6	0.61	
POLYSEED	2					15	9.40	4.68	4.72	0.63		
POLYSEED	3					20	9.38	3.49	5.89	0.59		
GGA	1					6	9.36	5.08	4.28	183.5	191.5	
GGA	2					6	9.35	4.96	4.39	189		
GGA	3					6	9.33	4.68	4.65	202		
O4523-02	1	No	6.45	6.70	20.00	0.5	9.37	7.64	-	0	699.67	pH Adjusted
O4523-02	2					1	9.34	6.32	3.02	723		
O4523-02	3					2	9.29	4.04	5.25	696		
O4523-02	4					3	9.24	1.83	7.41	680		
O4523-02DUP	1	No	6.45	6.70	20.00	0.5	9.38	7.51	-	0	682.83	pH Adjusted
O4523-02DUP	2					1	9.32	6.41	2.91	690		
O4523-02DUP	3					2	9.27	4.15	5.12	676.5		
O4523-02DUP	4					3	9.23	1.80	7.43	682		
O4539-01	1	No	7.09	N/A	20.00	5	9.32	8.69	-	0	20.5	
O4539-01	2					20	9.30	8.24	-	0		
O4539-01	3					50	9.20	3.47	5.73	30.72		
O4539-01	4					150	8.26	2.51	5.75	10.28		
O4547-01	1	No	8.52	7.40	20.00	5	9.43	8.83	-	0		pH Adjusted
O4547-01	2					20	9.35	8.65	-	0		
O4547-01	3					50	9.30	8.25	-	0		
O4547-01	4					150	9.28	7.85	-	0		
O4549-01	1	No	7.15	N/A	20.00	5	9.28	8.66	-	0	4.42	
O4549-01	2					20	9.27	8.41	-	0		
O4549-01	3					50	9.25	8.21	-	0		
O4549-01	4					150	9.20	6.38	2.82	4.42		

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)

6127411

WorkList Name : BOD5--9-20

WorkList ID : 173798

Department : Wet-Chemistry

Date : 09-20-2023 09:07:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4523-02 B	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D11	09/20/2023	SM5210 B
O4539-01 A	SEMI-ANNUAL-SWB-N-(OUTF)	Water	BOD5	Cool 4 deg C	INFR01	N11	09/18/2023	SM5210 B
O4547-01 A	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	N11	09/20/2023	SM5210 B
O4549-01	SEMI-ANNUAL-SWB-L-(OUTF)	Water	BOD5	Cool 4 deg C	INFR01	N11	09/18/2023	SM5210 B

Date/Time 09/21/2023 08:45
 Raw Sample Received by: RM CWK
 Raw Sample Relinquished by: 0660C1

Date/Time 09/21/2023 11:00
 Raw Sample Received by: 0660C1
 Raw Sample Relinquished by: RM CWK