

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 07/13/2023**QC BATCH ID:** LB126435**BOD Water:** WP103251**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP103253**GGA:** WP103252**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP103062

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.1	9.1	9.1
WINKLER 2	WINKLER 2	2	300	9.1	18.2	9.1	9.1

Meter Calibration1: 8.74

Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.16

After Incubation

Meter Calibration2: 8.84

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB126435

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:15

TIME OUT: 13:00

DATE IN: 07/13/2023

DATE OUT: 07/18/2023

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
LB126435BL	1	No	6.65	N/A	20.50	300	9.15	9.14	0.01	0.01	0.01	
POLYSEED	1					10	9.10	5.46	3.64	0.73	0.67	
POLYSEED	2					15	9.05	3.94	5.11	0.68		
POLYSEED	3					20	9.01	2.91	6.1	0.61		
GGA	1					6	9.06	4.76	4.3	181.5	184	
GGA	2					6	9.05	4.72	4.33	183		
GGA	3					6	9.00	4.58	4.42	187.5		
O3589-02	1	No	6.34	6.68	20.40	0.5	9.07	6.46	2.61	1164	1197	pH Adjusted
O3589-02	2					1	9.00	4.23	4.77	1230		
O3589-02	3					2	8.91	0.37	-	0		
O3589-02	4					3	8.86	0.32	-	0		
O3589-02DUP	1	No	6.34	20.4	6.70	0.5	9.10	6.59	2.51	1104	1153.5	pH Adjusted
O3589-02DUP	2					1	9.03	4.35	4.68	1203		
O3589-02DUP	3					2	8.93	0.40	-	0		
O3589-02DUP	4					3	8.84	0.29	-	0		
O3590-01	1	No	8.20	7.41	20.70	5	9.13	8.40	-	0	3.7	pH Adjusted
O3590-01	2					20	9.11	8.20	-	0		
O3590-01	3					50	9.07	7.75	-	0		
O3590-01	4					150	9.06	6.54	2.52	3.7		

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)

6126435

WorkList Name : bod5-7-13 WorkList ID : 171826 Department : Wet-Chemistry Date : 07-13-2023 08:00:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3589-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	I11	07/12/2023	SM5210 B
O3590-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	H21	07/12/2023	SM5210 B

Date/Time 07/13/2023 15:00
 Raw Sample Received by: RM CWG
 Raw Sample Relinquished by: JH(CDC)

Date/Time 07/13/2023 16:30
 Raw Sample Received by: JH(CDC)
 Raw Sample Relinquished by: RM CWG