

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 02/01/2023**QC BATCH ID:** LB123891**BOD Water:** WP100821**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP100823**GGA:** WP100822**Chlorine Strips:** W2011**pH Strips:** W2833**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP98644**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP100617

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.80	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.80	17.6	8.8	8.8

Meter Calibration1: 8.54

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.78

After Incubation

Meter Calibration2: 8.64

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB123891

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:00

TIME OUT: 16:00

DATE IN: 02/01/2023

DATE OUT: 02/06/2023

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
LB123891BL	1	No	6.90	N/A	20.00	300	8.77	8.76	0.01	0.01	0.01	
POLYSEED	1					10	8.68	4.82	3.86	0.77	0.59	
POLYSEED	2					15	8.64	4.51	4.13	0.55		
POLYSEED	3					20	8.61	4.19	4.42	0.44		
GGA	1					6	8.62	4.69	3.93	167	168.67	
GGA	2					6	8.61	4.64	3.97	169		
GGA	3					6	8.60	4.61	3.99	170		
O1375-04	1	No	6.64	N/A	20.60	5	8.59	0.33	-	0		
O1375-04	2					20	7.86	0.27	-	0		
O1375-04	3					50	6.70	0.26	-	0		
O1375-04	4					150	1.83	0.25	-	0		
O1388-02	1	No	6.34	6.80	20.00	0.5	8.73	6.72	2.01	852	1029.5	pH Adjusted
O1388-02	2					1	8.72	4.11	4.61	1206		
O1388-02	3					2	8.71	1.25	7.46	1030.5		
O1388-02	4					3	8.70	0.29	-	0		
O1396-01	1	No	8.20	7.22	20.20	5	8.76	7.93	-	0		pH Adjusted
O1396-01	2					20	8.75	7.40	-	0		
O1396-01	3					50	8.74	7.39	-	0		
O1396-01	4					150	8.73	7.38	-	0		
O1396-01DUP	1	No	8.20	7.22	20.20	5	8.75	7.92	-	0		pH Adjusted
O1396-01DUP	2					20	8.74	7.41	-	0		
O1396-01DUP	3					50	8.72	7.40	-	0		
O1396-01DUP	4					150	8.71	7.39	-	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)

WorkList Name : bod2-1

WorkList ID : 167015

Department : Wet-Chemistry

Date : 02-01-2023 08:30:29

6b/23891

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/02/2023	Water	O1375-04	BOD5	Cool 4 deg C	SPEC01	D31	MANHOLE-24-HRS-COMP	01/31/2023	SM5210 B
02/03/2023	Water	O1388-02	BOD5	Cool 4 deg C	ARAM01	N11	COMP	02/01/2023	SM5210 B
02/03/2023	Water	O1396-01	BOD5	Cool 4 deg C	INFR01	F31	MONTHLY-OUTFALL-002	02/01/2023	SM5210 B

Date/Time 02/01/2023 16:20
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JDCSM

Date/Time 02/01/2023 17:10
 Raw Sample Received by: JDCSM
 Raw Sample Relinquished by: RM CWC