

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 01/25/2023**QC BATCH ID:** LB123797**BOD Water:** WP100737**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP100739**GGA:** WP100738**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: 9.36Barometric Pressure1: 771 mmHgZero DO Reading1: 0.09 mg/L (<=0.2 Criteria)Winkler titrated BOD fluid DO reading1: 8.78**After Incubation**Meter Calibration2: 8.98Barometric Pressure2: 765 mmHgZero DO Reading2: 0.07 mg/L (<=0.2 Criteria)Winkler titrated BOD fluid DO reading2: 8.77



QC BATCH ID: LB123797

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 15:00

TIME OUT: 15:30

DATE IN: 01/25/2023

DATE OUT: 01/30/2023

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
LB123797BL	1	No	7.10	N/A	20.10	300	8.77	8.76	0.01	0.01	0.01	
POLYSEED	1					10	8.65	4.76	3.89	0.78	0.61	
POLYSEED	2					15	8.60	4.32	4.28	0.57		
POLYSEED	3					20	8.57	3.87	4.7	0.47		
GGA	1					6	8.64	4.56	4.08	173.5	174.33	
GGA	2					6	8.63	4.53	4.1	174.5		
GGA	3					6	8.62	4.51	4.11	175		
O1290-02	1	No	6.39	6.90	20.00	0.5	8.76	5.73	3.03	1452	1477.5	pH Adjusted
O1290-02	2					1	8.75	3.13	5.62	1503		
O1290-02	3					2	8.71	0.32	-	0		
O1290-02	4					3	8.66	0.29	-	0		
O1305-01	1	No	8.27	6.80	20.00	5	8.76	7.91	-	0	3.98	pH Adjusted
O1305-01	2					20	8.75	7.90	-	0		
O1305-01	3					50	8.74	7.89	-	0		
O1305-01	4					150	8.73	6.13	2.6	3.98		
O1305-01DUP	1	No	8.27	6.80	20.00	5	8.75	7.92	-	0	3.94	pH Adjusted
O1305-01DUP	2					20	8.74	7.91	-	0		
O1305-01DUP	3					50	8.73	7.90	-	0		
O1305-01DUP	4					150	8.72	6.14	2.58	3.94		

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)

66123797

WorkList Name : bod1-25

WorkList ID : 166821

Department : Wet-Chemistry

Date : 01-25-2023 08:23:34

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/27/2023	Water	O1290-02	BOD5	Cool 4 deg C	ARAM01	N11	COMP	01/25/2023	SM5210 B
01/27/2023	Water	O1305-01	BOD5	Cool 4 deg C	INFR01	N11	WEEKLY-OUTFALL-002	01/25/2023	SM5210 B

Date/Time 01/25/2023 13:46
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: ALDC

Date/Time 01/25/2023 15:40
 Raw Sample Received by: ALDC
 Raw Sample Relinquished by: RM CWC