

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/20/2023**QC BATCH ID:** LB125068**BOD Water:** WP102070**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102072**GGA:** WP102071**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:** WP102042

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: 8.84

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.98

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB125068

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 15:00

TIME OUT: 13:00

DATE IN: 04/20/2023

DATE OUT: 04/25/2023

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
LB125068BL	1	No	6.63	N/A	20.40	300	9.46	9.45	0.01	0.01	0.01	
POLYSEED	1					10	9.40	6.32	3.08	0.62	0.6	
POLYSEED	2					15	9.37	4.92	4.45	0.59		
POLYSEED	3					20	9.10	3.32	5.78	0.58		
GGA	1					6	9.40	4.76	4.64	202	221	
GGA	2					6	9.39	4.42	4.97	218.5		
GGA	3					6	9.37	3.92	5.45	242.5		
O2421-02	1	No	6.27	6.70	20.50	0.5	9.41	7.47	-	0	640.83	pH Adjusted
O2421-02	2					1	9.40	6.48	2.92	696		
O2421-02	3					2	9.36	5.03	4.33	559.5		
O2421-02	4					3	9.27	2.00	7.27	667		
O2421-02DUP	1	No	6.27	6.70	20.50	0.5	9.42	7.46	-	0	643.17	pH Adjusted
O2421-02DUP	2					1	9.41	6.47	2.94	702		
O2421-02DUP	3					2	9.37	5.02	4.35	562.5		
O2421-02DUP	4					3	9.26	2.01	7.25	665		

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)

26125068

WorkList Name : bod 4-20

WorkList ID : 169221

Department : Wet-Chemistry

Date : 04-20-2023 08:24:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
----------	--------	--------	------	--------------	----------	-----------------------------	-----------------	--------------	--------

04/21/2023	Water	O2421-02	BOD5	Cool 4 deg C	ARAM01	N11	COMP	04/19/2023	SM5210 B
------------	-------	----------	------	--------------	--------	-----	------	------------	----------

Date/Time 04/20/2023 13:30
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JDC

Date/Time 04/20/2023 15:10
 Raw Sample Received by: JDC
 Raw Sample Relinquished by: RM CWC