

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/21/2023**QC BATCH ID:** LB125098**BOD Water:** WP102106**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102108**GGA:** WP102107**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP101527

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: 8.66

Zero DO Reading1: 0.11 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.50

After Incubation

Meter Calibration2: 9.14

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB125098

INCUBATOR TEMP IN(C): 20.7

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 18:00

TIME OUT: 14:30

DATE IN: 04/21/2023

DATE OUT: 04/26/2023

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
LB125098BL	1	No	9.50	N/A	20.30	300	9.49	9.48	0.01	0.01	0.01	
POLYSEED	1					10	9.33	6.48	2.85	0.57	0.52	
POLYSEED	2					15	9.31	5.73	3.58	0.48		
POLYSEED	3					20	9.29	4.27	5.02	0.5		
GGA	1					6	9.48	4.39	5.09	228.5	223.67	
GGA	2					6	9.47	4.48	4.99	223.5		
GGA	3					6	9.45	4.55	4.9	219		
O2471-02	1	No	8.10	7.2	20.10	0.5	9.46	7.07	2.39	1122	734.75	pH Adjusted
O2471-02	2					1	9.45	5.73	3.72	960		
O2471-02	3					2	9.44	6.00	3.44	438		
O2471-02	4					3	9.42	4.71	4.71	419		
O2471-02DUP	1	No	8.10	7.2	20.10	0.5	9.47	7.06	2.41	1134	738.25	pH Adjusted
O2471-02DUP	2					1	9.46	5.72	3.74	966		
O2471-02DUP	3					2	9.43	6.01	3.42	435		
O2471-02DUP	4					3	9.40	4.70	4.7	418		

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.

VB125098

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod 02471

WorkList ID : 169296

Department : Wet-Chemistry

Date : 04-21-2023 16:08:04

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/22/2023	Water	02471-02	BOD5		Cool 4 deg C	ARDM01 M11	EFF-VWW	04/20/2023	SM5210 B

Date/Time 04-21-23 16:10
Raw Sample Received by: JDC
Raw Sample Relinquished by: JDC

Date/Time 04-21-23 18:00
Raw Sample Received by: JDC
Raw Sample Relinquished by: JDC