

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 03/31/2023**QC BATCH ID:** LB124765**BOD Water:** WP101866**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101768**GGA:** WP101867**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	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.69

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.36

After Incubation

Meter Calibration2: 9.03

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB124765

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:45

TIME OUT: 14:30

DATE IN: 03/31/2023

DATE OUT: 04/05/2023

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
LB124765BL	1	No	6.81	N/A	20.70	300	9.35	9.34	0.01	0.01	0.01	
POLYSEED	1					10	9.29	6.02	3.27	0.65	0.64	
POLYSEED	2					15	9.27	4.32	4.95	0.66		
POLYSEED	3					20	9.25	3.12	6.13	0.61		
GGA	1					6	9.30	5.33	3.97	166.5	167.5	
GGA	2					6	9.29	5.29	4	168		
GGA	3					6	9.27	5.27	4	168		
O2137-01	1	No	6.34	6.61	20.00	5	9.34	8.73	-	0		pH Adjusted
O2137-01	2					20	9.33	8.72	-	0		
O2137-01	3					50	9.32	8.71	-	0		
O2137-01	4					150	9.31	8.70	-	0		
O2137-01DUP	1	No	6.34	6.61	20.00	5	9.33	8.74	-	0		pH Adjusted
O2137-01DUP	2					20	9.32	8.73	-	0		
O2137-01DUP	3					50	9.31	8.72	-	0		
O2137-01DUP	4					150	9.30	8.71	-	0		
O2137-03	1	No	6.63	N/A	20.00	5	9.34	9.33	-	0		
O2137-03	2					20	9.33	9.32	-	0		
O2137-03	3					50	9.31	9.31	-	0		
O2137-03	4					150	9.30	9.30	-	0		
O2137-05	1	No	6.63	N/A	20.00	5	9.34	9.18	-	0		
O2137-05	2					20	9.24	9.17	-	0		
O2137-05	3					50	9.05	9.04	-	0		
O2137-05	4					150	8.40	7.89	-	0		
O2137-07	1	No	5.76	7.19	20.00	5	9.30	8.43	-	0		pH Adjusted
O2137-07	2					20	9.29	8.42	-	0		
O2137-07	3					50	9.28	8.41	-	0		
O2137-07	4					150	9.27	8.40	-	0		
O2137-09	1	No	6.15	6.75	20.00	5	9.30	9.29	-	0		pH Adjusted
O2137-09	2					20	9.28	9.28	-	0		
O2137-09	3					50	9.27	9.26	-	0		
O2137-09	4					150	9.26	9.19	-	0		
O2137-11	1	No	6.14	6.75	20.00	5	9.26	9.25	-	0		pH Adjusted
O2137-11	2					20	9.25	8.91	-	0		
O2137-11	3					50	9.24	8.90	-	0		
O2137-11	4					150	9.23	8.89	-	0		
O2137-14	1	No	5.79	6.81	20.10	5	9.27	9.25	-	0		pH Adjusted
O2137-14	2					20	9.25	9.23	-	0		
O2137-14	3					50	9.24	9.22	-	0		
O2137-14	4					150	9.23	9.21	-	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)

66124765

WorkList Name : bod-3-31

WorkList ID : 168633

Department : Wet-Chemistry

Date : 03-31-2023 08:03:09

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/31/2023	Water	O2137-01	BOD5	Cool 4 deg C	LOCK01	M11	SY-6	03/29/2023	SM5210 B
03/31/2023	Water	O2137-03	BOD5	Cool 4 deg C	LOCK01	M11	SY-3DD	03/29/2023	SM5210 B
03/31/2023	Water	O2137-05	BOD5	Cool 4 deg C	LOCK01	M11	SY-3D	03/29/2023	SM5210 B
03/31/2023	Water	O2137-07	BOD5	Cool 4 deg C	LOCK01	M11	SY-2R	03/29/2023	SM5210 B
03/31/2023	Water	O2137-09	BOD5	Cool 4 deg C	LOCK01	M11	SY-2D	03/29/2023	SM5210 B
03/31/2023	Water	O2137-11	BOD5	Cool 4 deg C	LOCK01	M11	SY-5	03/29/2023	SM5210 B
03/31/2023	Water	O2137-14	BOD5	Cool 4 deg C	LOCK01	M11	FIELD-BLANK	03/29/2023	SM5210 B

Date/Time 03/31/2023 08:20
 Raw Sample Received by: RM (w)
 Raw Sample Relinquished by: (PCO1)

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by: