

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB125651**Analysis Date:** 05/25/2023**BOD Water:** WP102623**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP102625**NaOH, 1N:** WP101216**GGA:** WP102624**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP102602

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: 9.02

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.95

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB125651

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 15:30

TIME OUT: 14:00

DATE IN: 05/25/2023

DATE OUT: 05/30/2023

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
LB125651BL	1	No	6.60	N/A	20.50	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.40	6.12	3.28	0.66	0.65	
POLYSEED	2					15	9.37	4.58	4.79	0.64		
POLYSEED	3					20	9.34	2.77	6.57	0.66		
GGA	1					6	9.36	5.01	4.35	185	185.83	
GGA	2					6	9.32	4.96	4.36	185.5		
GGA	3					6	9.32	4.93	4.39	187		
O2914-02	1	No	6.44	6.75	20.10	0.5	9.28	6.73	2.55	1140	1069.5	pH Adjusted
O2914-02	2					1	9.25	5.31	3.94	987		
O2914-02	3					2	9.10	1.24	7.86	1081.5		
O2914-02	4					3	9.00	0.20	-	0		
O2914-02DUP	1	No	6.44	6.75	20.10	0.5	9.29	6.75	2.54	1134	1067.5	pH Adjusted
O2914-02DUP	2					1	9.27	5.33	3.94	987		
O2914-02DUP	3					2	9.11	1.25	7.86	1081.5		
O2914-02DUP	4					3	9.01	0.23	-	0		
O2929-01	1	No	8.35	7.31	20.00	5	9.39	8.99	-	0		pH Adjusted
O2929-01	2					20	9.18	8.97	-	0		
O2929-01	3					50	9.16	8.66	-	0		
O2929-01	4					150	9.15	7.30	-	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 : bod5-5-25

WorkList ID : 170301

Department : Wet-Chemistry

Date : 05-25-2023 08:18:54

LB125651

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O2914-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D11	05/24/2023	SM5210 B
O2929-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	N11	05/24/2023	SM5210 B

Date/Time 05/25/2023 13:00
 Raw Sample Received by: [Signature] [Signature]
 Raw Sample Relinquished by: [Signature] [Signature]

Date/Time 05/25/2023 14:20
 Raw Sample Received by: [Signature] [Signature]
 Raw Sample Relinquished by: [Signature] [Signature]