

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/13/2023**QC BATCH ID:** LB124960**BOD Water:** WP101939**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101941**GGA:** WP101940**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: 8.58

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.43

After Incubation

Meter Calibration2: 8.92

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB124960

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 16:00

TIME OUT: 12:30

DATE IN: 04/13/2023

DATE OUT: 04/18/2023

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
LB124960BL	1	No	6.60	N/A	20.40	300	9.42	9.41	0.01	0.01	0.01	
POLYSEED	1					10	9.23	5.71	3.52	0.7	0.64	
POLYSEED	2					15	9.18	4.12	5.06	0.67		
POLYSEED	3					20	9.15	3.66	5.49	0.55		
GGA	1					6	9.24	5.02	4.22	179	204.5	
GGA	2					6	9.23	4.45	4.78	207		
GGA	3					6	9.21	4.02	5.19	227.5		
O2297-02	1	No	6.78	N/A	20.30	0.5	9.41	6.33	3.08	1464	1512	
O2297-02	2					1	9.38	3.54	5.84	1560		
O2297-02	3					2	9.28	0.28	-	0		
O2297-02	4					3	9.14	0.23	-	0		
O2297-02DUP	1	No	6.78	N/A	20.30	0.5	9.40	6.34	3.06	1452	1503	
O2297-02DUP	2					1	9.37	3.55	5.82	1554		
O2297-02DUP	3					2	9.27	0.29	-	0		
O2297-02DUP	4					3	9.13	0.23	-	0		
O2314-01	1	No	8.20	7.44	20.20	5	9.41	7.94	-	0		pH Adjusted
O2314-01	2					20	9.40	7.93	-	0		
O2314-01	3					50	9.39	7.91	-	0		
O2314-01	4					150	9.38	7.43	-	0		
O2316-01	1	No	7.51	7.48	20.30	5	9.39	7.99	-	0	84.45	pH Adjusted
O2316-01	2					20	9.33	3.06	6.27	84.45		
O2316-01	3					50	9.07	0.30	-	0		
O2316-01	4					150	8.17	0.23	-	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)

16/24960

WorkList Name : bod5-4-13

WorkList ID : 169014

Department : Wet-Chemistry

Date : 04-13-2023 07:54:42

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/14/2023	Water	O2297-02	BOD5	Cool 4 deg C	ARAM01	O11	COMP	04/12/2023	SM5210 B
04/14/2023	Water	O2314-01	BOD5	Cool 4 deg C	INFR01	N11	QUARTERLY-OUTFALL-002	04/12/2023	SM5210 B
04/14/2023	Water	O2316-01	BOD5	Cool 4 deg C	INFR01	N11	QUARTERLY-INFLUENT	04/12/2023	SM5210 B

Date/Time 04/13/2023 14:30
 Raw Sample Received by: RGA Cury
 Raw Sample Relinquished by: ASG

Date/Time 04/13/2023 16:10
 Raw Sample Received by: ASG
 Raw Sample Relinquished by: RGA Cury