

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB124246**Analysis Date:** 02/24/2023**BOD Water:** WP101169**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2941**POLYSEED:** WP101171**NaOH, 1N:** WP98644**GGA:** WP101170**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP101031

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.80	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.80	17.6	8.8	8.8

Meter Calibration1: 9.04

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.79

After Incubation

Meter Calibration2: 9.22

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB124246

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 16:20

TIME OUT: 13:45

DATE IN: 02/24/2023

DATE OUT: 03/01/2023

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
LB124246BL	1	No	6.80	N/A	20.00	300	8.78	8.77	0.01	0.01	0.01	
POLYSEED	1					10	8.55	4.90	3.65	0.73	0.6	
POLYSEED	2					15	8.50	4.19	4.31	0.57		
POLYSEED	3					20	8.47	3.61	4.86	0.49		
GGA	1					6	8.69	3.96	4.73	206.5	210.83	
GGA	2					6	8.68	3.82	4.86	213		
GGA	3					6	8.66	3.80	4.86	213		
O1672-01	1	No	6.81	N/A	20.10	1	8.70	8.39	-	0	52.5	
O1672-01	2					2	8.69	7.96	-	0		
O1672-01	3					5	8.68	7.95	-	0		
O1672-01	4					10	8.56	6.21	2.35	52.5		
O1672-01DUP	1	No	6.81	N/A	20.10	1	8.69	8.38	-	0	55.8	
O1672-01DUP	2					2	8.68	7.97	-	0		
O1672-01DUP	3					5	8.67	7.96	-	0		
O1672-01DUP	4					10	8.66	6.20	2.46	55.8		
O1672-02	1	No	6.84	N/A	20.10	1	8.75	7.08	-	0	265.05	
O1672-02	2					2	8.62	6.03	2.59	298.5		
O1672-02	3					5	8.61	4.15	4.46	231.6		
O1672-02	4					10	8.60	0.15	-	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 : bod-2-23

WorkList ID : 167611

Department : Wet-Chemistry

Date : 02-23-2023 08:20:30

66124246

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/25/2023	Water	O1672-01	BOD5	Cool 4 deg C	TRIS02	E11	OUTFALL-DSN-001	02/23/2023	SM5210 B
02/25/2023	Water	O1672-02	BOD5	Cool 4 deg C	TRIS02	E11	OUTFALL-DSN-002	02/23/2023	SM5210 B

Date/Time 02/24/2023 15:00
Raw Sample Received by: RMCWCJ
Raw Sample Relinquished by: CP Sm

Date/Time 02/24/2023 16:30
Raw Sample Received by: CP Sm
Raw Sample Relinquished by: RMCWCJ