



BOD Soluble LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB124938

Analysis Date: 04/12/2023

BOD Water: WP101933

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP100509

Sodium Thiosulfate, 0.025N: W2941

POLYSEED: WP101935

NaOH, 1N: WP101216

GGA: WP101934

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W3006

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: 8.57

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.96

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB124938

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 14:40

TIME OUT: 13:15

DATE IN: 04/12/2023

DATE OUT: 04/17/2023

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
LB124938BL	1	No	6.58	N/A	20.30	300	9.46	9.45	0.01	0.01	0.01	
POLYSEED	1					10	9.22	6.38	2.84	0.57	0.59	
POLYSEED	2					15	9.21	4.48	4.73	0.63		
POLYSEED	3					20	9.15	3.50	5.65	0.57		
GGA	1					6	9.34	4.85	4.49	195	211.17	
GGA	2					6	9.31	4.52	4.79	210		
GGA	3					6	9.29	4.13	5.16	228.5		
O2274-08	1	No	8.04	7.46	20.00	2	9.45	8.90	-	0	25.02	pH Adjusted
O2274-08	2					10	9.38	8.00	-	0		
O2274-08	3					50	9.37	4.61	4.76	25.02		
O2274-08	4					100	9.36	0.33	-	0		
O2274-08DUP	1	No	8.04	7.46	20.00	2	9.44	8.89	-	0	24.96	pH Adjusted
O2274-08DUP	2					10	9.37	8.01	-	0		
O2274-08DUP	3					50	9.36	4.61	4.75	24.96		
O2274-08DUP	4					100	9.35	0.32	-	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)

66124938

WorkList Name : bod s 4-11 WorkList ID : 168966 Department : Wet-Chemistry Date : 04-11-2023 16:59:04

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/13/2023	Water	02274-08	BOD Soluble	Cool 4 deg C	M&MM01	K11	6CS	04/11/2023	SM5210 B

Date/Time 04/12/2023 13:45
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: 40(CWC)

Date/Time 04/12/2023 14:50
Raw Sample Received by: 40(CWC)
Raw Sample Relinquished by: RM CWC