

BOD Soluble LOG

ANALYST: rubina

SUPERVISOR: Iwona

QC BATCH ID: LB132710

Analysis Date: 10/02/2024

BOD Water: WP110003

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110005

NaOH, 1N: WP108662

GGA: WP110004

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

Zero DO: WP110006

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	9.6	19.00	9.4	9.4

Meter Calibration1: 9.48

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.30

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB132710

INCUBATOR TEMP IN(C): 19.7

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:35

TIME OUT: 10:30

DATE IN: 10/02/2024

DATE OUT: 10/07/2024

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
LB132710BL	1	No	6.76	N/A	20.00	300	9.48	9.47	0.01	0.01	0.01	
POLYSEED	1					10	9.46	7.13	2.33	0.47	0.51	
POLYSEED	2					15	9.45	5.79	3.66	0.49		
POLYSEED	3					20	9.40	3.57	5.83	0.58		
GGA	1					6	9.45	5.12	4.33	191	195.17	
GGA	2					6	9.44	5.02	4.42	195.5		
GGA	3					6	9.38	4.89	4.49	199		
P4253-01	1	No	7.90	7.19	20.00	2	9.46	8.80	-	0	21.23	pH Adjusted
P4253-01	2					10	9.40	8.40	-	0		
P4253-01	3					50	9.36	5.42	3.94	20.58		
P4253-01	4					100	9.35	1.55	7.8	21.87		
P4253-01DUP	1	No	7.90	7.19	20.00	2	9.46	8.92	-	0	20.84	pH Adjusted
P4253-01DUP	2					10	9.42	8.23	-	0		
P4253-01DUP	3					50	9.38	5.60	3.78	19.62		
P4253-01DUP	4					100	9.35	1.49	7.86	22.05		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

6132710

WorkList Name : BOD-SUL-024

WorkList ID : 184009

Department : Wet-Chemistry

Date : 10-01-2024 16:57:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4253-01	1 Effluent Composite	Water	BOD Soluble	Cool 4 deg C	M&MM01	H11	10/01/2024	SM5210 B

Date/Time 10/02/2024 07:30
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC

Date/Time 10/02/2024 09:20
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC