

BOD Soluble LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB131557

Analysis Date: 07/10/2024

BOD Water: WP108683

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP108685

NaOH, 1N: WP108662

GGA: WP108684

IncubatorID: INCUBATOR#3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108522

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: 8.63

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.44

After Incubation

Meter Calibration2: 8.81

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB131557

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 15:50

TIME OUT: 14:30

DATE IN: 07/10/2024

DATE OUT: 07/15/2024

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
LB131557BL	1	No	6.70	N/A	20.60	300	9.43	9.42	0.01	0.01	0.01	
POLYSEED	1					10	9.38	6.14	3.24	0.65	0.67	
POLYSEED	2					15	9.36	4.19	5.17	0.69		
POLYSEED	3					20	9.34	2.79	6.55	0.66		
GGA	1					6	9.42	4.54	4.88	210.5	220.67	
GGA	2					6	9.40	4.39	5.01	217		
GGA	3					6	9.35	3.99	5.36	234.5		
P3175-01	1	No	7.98	7.39	20.30	2	9.40	8.63	-	0	35.16	pH Adjusted
P3175-01	2					10	9.33	8.06	-	0		
P3175-01	3					50	9.30	2.77	6.53	35.16		
P3175-01	4					100	9.27	0.22	-	0		
P3175-01DUP	1	No	7.98	7.39	20.30	2	9.40	8.83	-	0	35.34	pH Adjusted
P3175-01DUP	2					10	9.30	7.92	-	0		
P3175-01DUP	3					50	9.26	2.70	6.56	35.34		
P3175-01DUP	4					100	9.24	0.20	-	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.

6131557

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bodsul-7-10 WorkList ID : 181740 Department : Wet-Chemistry Date : 07-10-2024 10:16:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3175-01	1-EFFLUENT-COMPOSITE	Water	BOD Soluble	Cool 4 deg C	M&MM01	N21	07/09/2024	SM5210 B

Date/Time 07/10/2024 13:40
Raw Sample Received by: RM CWL
Raw Sample Relinquished by: IT (SM)

Date/Time 07/10/2024 15:40
Raw Sample Received by: IT (SM)
Raw Sample Relinquished by: RM CWL