

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/23/2024

QC BATCH ID: LB132149

BOD Water: WP109379

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109381

NaOH, 1N: WP108662

GGA: WP109380

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3121

Zero DO: WP108811

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	9.3	18.7	9.4	9.4

Meter Calibration1: 8.76

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

Barometric Pressure1: 776 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.32

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB132149

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:30

TIME OUT: 12:00

DATE IN: 08/23/2024

DATE OUT: 08/28/2024

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
LB132149BL	1	No	6.72	N/A	20.50	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.44	6.54	2.9	0.58	0.62	
POLYSEED	2					15	9.41	4.55	4.86	0.65		
POLYSEED	3					20	9.37	3.21	6.16	0.62		
GGA	1					6	9.45	5.36	4.09	173.5	182.67	
GGA	2					6	9.37	5.00	4.37	187.5		
GGA	3					6	9.33	4.97	4.36	187		
P3731-02	1	No	8.16	7.34	20.40	0.5	9.47	8.69	-	0		pH Adjusted
P3731-02	2					1	9.44	8.01	-	0		
P3731-02	3					2	9.28	7.71	-	0		
P3731-02	4					3	9.19	7.41	-	0		
P3731-02DUP	1	No	8.16	7.34	20.40	0.5	9.46	8.80	-	0		pH Adjusted
P3731-02DUP	2					1	9.44	8.09	-	0		
P3731-02DUP	3					2	9.31	7.77	-	0		
P3731-02DUP	4					3	9.20	7.58	-	0		

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)

6132149

WorkList Name : bod5-8-23-

WorkList ID : 182939

Department : Wet-Chemistry

Date : 08-23-2024 15:39:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3731-02	EFF-Waste Water	Water	BOD5	Cool 4 deg C	ARDM01	H11	08/23/2024	SM5210 B

Date/Time 08/23/2024 16.15
 Raw Sample Received by: RM CWJ
 Raw Sample Relinquished by: M. C. C. J.

Date/Time 08/23/2024 17.20
 Raw Sample Received by: M. C. C. J.
 Raw Sample Relinquished by: RM CWJ