

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/04/2024

QC BATCH ID: LB132274

BOD Water: WP109533

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109535

NaOH, 1N: WP108662

GGA: WP109534

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3121

Zero DO: WP109433

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	9.2	18.6	9.4	9.4

Meter Calibration1: 9.20

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 776 mmHg DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 9.26

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132274

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 15:00

TIME OUT: 13:10

DATE IN: 09/04/2024

DATE OUT: 09/09/2024

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
LB132274BL	1	No	6.74	N/A	20.70	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.35	5.98	3.37	0.67	0.64	
POLYSEED	2					15	9.31	4.99	4.32	0.58		
POLYSEED	3					20	9.30	2.64	6.66	0.67		
GGA	1					6	9.32	5.11	4.21	178.5	187.5	
GGA	2					6	9.32	4.99	4.33	184.5		
GGA	3					6	9.37	4.74	4.63	199.5		
P3821-01	1	No	7.30	N/A	20.80	5	9.36	8.80	-	0		
P3821-01	2					20	9.33	8.51	-	0		
P3821-01	3					50	9.30	8.29	-	0		
P3821-01	4					150	9.22	8.11	-	0		
P3821-01DUP	1	No	7.30	N/A	20.80	5	9.36	8.64	-	0		
P3821-01DUP	2					20	9.32	8.57	-	0		
P3821-01DUP	3					50	9.30	8.23	-	0		
P3821-01DUP	4					150	9.21	8.14	-	0		
P3833-02	1	No	6.76	N/A	20.80	0.5	9.41	7.81	-	0	287.25	
P3833-02	2					1	9.40	7.65	-	0		
P3833-02	3					2	9.34	6.71	2.63	298.5		
P3833-02	4					3	9.26	5.86	3.4	276		

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)

66132274

WorkList Name : BOD5-9-4- WorkList ID : 183159 Department : Wet-Chemistry Date : 09-04-2024 08:33:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3821-01	MANHOLE-5A-WATER	Water	BOD5	Cool 4 deg C	PSEG03	H51	09/03/2024	SM5210 B
P3833-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	H53	09/04/2024	SM5210 B

Date/Time 09/04/2024 13.10
Raw Sample Received by: RM cwc
Raw Sample Relinquished by: RM cwc

Date/Time 09/04/2024 14.30
Raw Sample Received by: RM cwc
Raw Sample Relinquished by: RM cwc