

BOD 7 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/16/2024

QC BATCH ID: LB132048

BOD Water: WP109294

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109296

NaOH, 1N: WP108662

GGA: WP109295

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

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	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 9.35

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.36

After Incubation

Meter Calibration2: 9.06

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

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB132048

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 09:25

TIME OUT: 10:40

DATE IN: 08/16/2024

DATE OUT: 08/23/2024

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
LB132048BL	1	No	6.72	N/A	20.40	300	9.35	9.34	0.01	0.01	0.01	
POLYSEED	1					10	9.33	6.52	2.81	0.56	0.56	
POLYSEED	2					15	9.28	5.28	4	0.53		
POLYSEED	3					20	9.25	3.48	5.77	0.58		
GGA	1					6	9.33	5.27	4.06	175	184.83	
GGA	2					6	9.28	4.99	4.29	186.5		
GGA	3					6	9.28	4.86	4.42	193		
P3608-05	1	No	7.70	7.20	20.00	0.1	9.29	8.04	-	0	1620	pH Adjusted
P3608-05	2					0.5	9.25	5.99	3.26	1620		
P3608-05	3					1	9.18	0.39	-	0		
P3608-05	4					5	9.10	0.34	-	0		
P3608-05DUP	1	No	7.70	7.20	20.00	0.1	9.29	7.90	-	0	1680	pH Adjusted
P3608-05DUP	2					0.5	9.23	5.87	3.36	1680		
P3608-05DUP	3					1	9.16	0.52	-	0		
P3608-05DUP	4					5	9.12	0.40	-	0		
P3635-05	1	No	6.39	6.82	20.00	0.1	9.27	7.61	-	0	1209.2	pH Adjusted
P3635-05	2					0.5	9.20	5.88	3.32	1656		
P3635-05	3					1	9.18	3.52	5.66	1530		
P3635-05	4					5	9.15	1.23	7.92	441.6		

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.

06132048

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD7-8-14 WorkList ID : 182650 Department : Wet-Chemistry Date : 08-14-2024 12:48:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3608-05	BOD	Water	BOD_7	Cool 4 deg C	AMER08	D21	08/14/2024	SM5210 B
P3635-05	BOD	Water	BOD_7	Cool 4 deg C	AMER08	G22	08/15/2024	SM5210 B

Date/Time 08/16/2024 07.50
Raw Sample Received by: RM (w/c)
Raw Sample Relinquished by: RB (w/c)

Date/Time 08/16/2024 09.30
Raw Sample Received by: R (w/c)
Raw Sample Relinquished by: RM (w/c)