

BOD 7 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/21/2024

QC BATCH ID: LB132110

BOD Water: WP109337

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109339

NaOH, 1N: WP108662

GGA: WP109338

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	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.5	18.8	9.3	9.3

Meter Calibration1: 9.44

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.39

After Incubation

Meter Calibration2: 9.32

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB132110

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 11:00

TIME OUT: 11:00

DATE IN: 08/21/2024

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
LB132110BL	1	No	6.70	N/A	20.50	300	9.38	9.36	0.02	0.02	0.02	
POLYSEED	1					10	9.35	6.15	3.2	0.64	0.67	
POLYSEED	2					15	9.32	4.02	5.3	0.71		
POLYSEED	3					20	9.27	2.80	6.47	0.65		
GGA	1					6	9.35	4.84	4.51	192	203.5	
GGA	2					6	9.34	4.50	4.84	208.5		
GGA	3					6	9.31	4.44	4.87	210		
P3667-05	1	No	6.40	6.70	20.30	0.1	9.36	6.49	2.87	6600	2587.5	pH Adjusted
P3667-05	2					0.5	9.33	6.13	3.2	1518		
P3667-05	3					1	9.28	2.57	6.71	1812		
P3667-05	4					5	9.19	1.52	7.67	420		
P3667-05DUP	1	No	6.40	20.3	6.70	0.1	9.36	6.39	2.97	6900	2670.9	pH Adjusted
P3667-05DUP	2					0.5	9.31	6.01	3.3	1578		
P3667-05DUP	3					1	9.28	2.66	6.62	1785		
P3667-05DUP	4					5	9.17	1.49	7.68	420.6		
P3680-05	1	No	6.97	N/A	20.20	0.1	9.37	6.86	2.51	5520	2590	
P3680-05	2					0.5	9.35	6.58	2.77	1260		
P3680-05	3					1	9.31	5.34	3.97	990		
P3680-05	4					5	9.23	0.40	-	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)

66132110

WorkList Name : BOD7-8-20

WorkList ID : 182827

Department : Wet-Chemistry

Date : 08-20-2024 16:31:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3667-05	BOD	Water	BOD_7	1:1 HNO3 to pH < 2	AMER08	G11	08/19/2024	SM5210 B
P3680-05	BOD	Water	BOD_7	1:1 HNO3 to pH < 2	AMER08	G11	08/20/2024	SM5210 B

Date/Time 08/21/2024 09:15
 Raw Sample Received by: RM WCL
 Raw Sample Relinquished by: RM WCL

Date/Time 08/21/2024 10:30
 Raw Sample Received by: RM WCL
 Raw Sample Relinquished by: RM WCL