

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/16/2024

QC BATCH ID: LB132047

BOD Water: WP109294

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP109296

GGA: WP109295

Chlorine Strips: W2965

pH Strips: W3121

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

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: 9.44

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132047

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:25

TIME OUT: 11:10

DATE IN: 08/16/2024

DATE OUT: 08/21/2024

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
LB132047BL	1	No	6.72	N/A	20.40	300	9.35	9.33	0.02	0.02	0.02	
POLYSEED	1					10	9.33	6.55	2.78	0.56	0.55	
POLYSEED	2					15	9.28	5.02	4.26	0.57		
POLYSEED	3					20	9.23	3.90	5.33	0.53		
GGA	1					6	9.33	4.97	4.36	190.5	195	
GGA	2					6	9.28	4.80	4.48	196.5		
GGA	3					6	9.26	4.75	4.51	198		
P3604-02	1	No	6.90	N/A	20.20	0.5	9.32	8.24	-	0	585.5	
P3604-02	2					1	9.28	6.15	3.13	774		
P3604-02	3					2	9.23	5.27	3.96	511.5		
P3604-02	4					3	9.19	3.93	5.26	471		
P3604-02DUP	1	No	6.90	N/A	20.20	0.5	9.32	8.14	-	0	560.17	
P3604-02DUP	2					1	9.29	6.30	2.99	732		
P3604-02DUP	3					2	9.25	5.49	3.76	481.5		
P3604-02DUP	4					3	9.18	3.96	5.22	467		

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.

6132047

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-8-15 WorkList ID : 182703 Department : Wet-Chemistry Date : 08-15-2024 12:27:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3604-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	G11	08/14/2024	SM5210 B

Date/Time 08/16/2024 07:50
Raw Sample Received by: RM (wg)
Raw Sample Relinquished by: JH CESC/

Date/Time 08/16/2024 09:00
Raw Sample Received by: JH CESC/
Raw Sample Relinquished by: RM (wg)