

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/16/2024

QC BATCH ID: LB132055

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: LB132055

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:45

TIME OUT: 11:30

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
LB132055BL	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	9.25	3.90	5.35	0.53		
GGA	1					6	9.33	4.97	4.36	190.5	195.5	
GGA	2					6	9.29	4.80	4.49	197		
GGA	3					6	9.28	4.75	4.53	199		
P3656-01	1	No	6.21	6.82	20.20	5	9.32	8.80	-	0		pH Adjusted
P3656-01	2					20	9.20	8.69	-	0		
P3656-01	3					50	9.06	8.38	-	0		
P3656-01	4					150	8.63	8.09	-	0		
P3656-01DUP	1	No	6.21	6.82	20.20	5	9.32	8.71	-	0		pH Adjusted
P3656-01DUP	2					20	9.21	8.54	-	0		
P3656-01DUP	3					50	9.06	8.32	-	0		
P3656-01DUP	4					150	8.61	8.02	-	0		
P3656-03	1	No	6.71	N/A	20.90	5	9.33	8.83	-	0		
P3656-03	2					20	9.23	8.35	-	0		
P3656-03	3					50	9.11	8.03	-	0		
P3656-03	4					150	8.16	7.70	-	0		
P3656-05	1	No	6.72	N/A	20.90	5	9.33	8.47	-	0		
P3656-05	2					20	9.32	8.57	-	0		
P3656-05	3					50	9.30	8.27	-	0		
P3656-05	4					150	9.11	7.61	-	0		
P3656-07	1	No	6.78	N/A	20.70	5	9.34	8.60	-	0		
P3656-07	2					20	9.31	8.59	-	0		
P3656-07	3					50	9.15	8.28	-	0		
P3656-07	4					150	8.39	7.35	-	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)

66132055

WorkList Name : bod5-8-16-

WorkList ID : 182712

Department : Wet-Chemistry

Date : 08-16-2024 07:55:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3656-01	MW-1	Water	BOD5	Cool 4 deg C	LOCK01	G11	08/16/2024	SM5210 B
P3656-03	MW-3	Water	BOD5	Cool 4 deg C	LOCK01	G11	08/16/2024	SM5210 B
P3656-05	MW-4	Water	BOD5	Cool 4 deg C	LOCK01	G11	08/16/2024	SM5210 B
P3656-07	MW-2	Water	BOD5	Cool 4 deg C	LOCK01	G11	08/16/2024	SM5210 B

Date/Time 08/16/2024 14:45
 Raw Sample Received by: RM ewc
 Raw Sample Relinquished by: RM ewc

Date/Time 08/16/2024 16:00
 Raw Sample Received by: RM ewc
 Raw Sample Relinquished by: RM ewc