

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/25/2024

QC BATCH ID: LB132602

BOD Water: WP109907

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109909

NaOH, 1N: WP108662

GGA: WP109908

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

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	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.2	18.4	9.2	9.2

Meter Calibration1: 9.31 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.29

After Incubation

Meter Calibration2: 9.48 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB132602

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 14:45

TIME OUT: 09:30

DATE IN: 09/25/2024

DATE OUT: 09/30/2024

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
LB132602BL	1	No	6.89	N/A	20.60	300	9.28	9.26	0.02	0.02	0.02	
POLYSEED	1					10	9.22	6.48	2.74	0.55	0.5	
POLYSEED	2					15	9.18	5.19	3.99	0.53		
POLYSEED	3					20	9.09	4.82	4.27	0.43		
GGA	1					6	9.22	5.19	4.03	176.5	182.5	
GGA	2					6	9.22	5.02	4.2	185		
GGA	3					6	9.22	5.00	4.22	186		
P4180-16	1	No	8.70	7.25	20.30	5	9.16	8.71	-	0		pH Adjusted
P4180-16	2					20	9.13	8.60	-	0		
P4180-16	3					50	9.09	8.10	-	0		
P4180-16	4					150	8.64	6.66	-	0		
P4180-16DUP	1	No	8.70	7.25	20.30	5	9.18	8.79	-	0		pH Adjusted
P4180-16DUP	2					20	9.13	8.55	-	0		
P4180-16DUP	3					50	9.10	8.24	-	0		
P4180-16DUP	4					150	8.62	6.74	-	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)

6132602

WorkList Name : BOD5-9-25-

WorkList ID : 183808

Department : Wet-Chemistry

Date : 09-25-2024 10:28:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4180-16	5602-75-001-NEUTRALIZATION	Water	BOD5	Cool 4 deg C	SCIE01	J41	09/24/2024	SM5210 B

Date/Time 09/25/2024 12:20
Raw Sample Received by: RM CWL
Raw Sample Relinquished by: JH(COC)

Date/Time 09/25/2024 13:30
Raw Sample Received by: JH(COC)
Raw Sample Relinquished by: RM CWL