

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/11/2024

QC BATCH ID: LB132370

BOD Water: WP109649

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109651

NaOH, 1N: WP108662

GGA: WP109650

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3121

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	9.1	9.1	9.1
WINKLER 2	WINKLER 2	2	300	9.1	18.2	9.1	9.1

Meter Calibration1: 9.28

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.12

After Incubation

Meter Calibration2: 9.18

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

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB132370

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 12:00

TIME OUT: 11:15

DATE IN: 09/11/2024

DATE OUT: 09/16/2024

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
LB132370BL	1	No	6.70	N/A	20.70	300	9.11	9.10	0.01	0.01	0.01	
POLYSEED	1					10	9.09	6.68	2.41	0.48	0.5	
POLYSEED	2					15	9.07	5.40	3.67	0.49		
POLYSEED	3					20	9.04	3.74	5.3	0.53		
GGA	1					6	9.05	4.99	4.06	178	187.33	
GGA	2					6	9.03	4.84	4.19	184.5		
GGA	3					6	9.06	4.57	4.49	199.5		
P3912-01	1	No	7.43	N/A	20.70	5	9.08	8.65	-	0		
P3912-01	2					20	9.00	8.45	-	0		
P3912-01	3					50	8.77	7.25	-	0		
P3912-01	4					150	7.72	6.26	-	0		
P3912-01DUP	1	No	7.43	N/A	20.70	5	9.08	8.73	-	0		
P3912-01DUP	2					20	9.01	8.27	-	0		
P3912-01DUP	3					50	8.77	7.20	-	0		
P3912-01DUP	4					150	7.70	6.39	-	0		
P3926-01	1	No	6.94	N/A	20.20	0.05	9.00	8.05	-	0	4648	
P3926-01	2					0.1	8.98	6.80	2.18	5040		
P3926-01	3					0.2	8.90	4.86	4.04	5310		
P3926-01	4					0.5	8.69	2.20	6.49	3594		
P3926-01	5					1	8.21	0.54	-	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.