

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/11/2024

QC BATCH ID: LB132382

BOD Water: WP109649

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP109651

GGA: WP109650

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: 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: LB132382

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:00

TIME OUT: 11:30

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
LB132382BL	1	No	6.70	N/A	20.70	300	9.11	9.10	0.01	0.01	0.01	
POLYSEED	1					10	9.09	6.60	2.49	0.5	0.51	
POLYSEED	2					15	9.06	5.33	3.73	0.5		
POLYSEED	3					20	9.02	3.65	5.37	0.54		
GGA	1					6	9.06	5.01	4.05	177	188	
GGA	2					6	9.03	4.70	4.33	191		
GGA	3					6	9.03	4.60	4.43	196		
P3953-01	1	No	6.40	6.71	20.60	0.05	9.08	8.33	-	0	1891.5	pH Adjusted
P3953-01	2					0.1	9.00	7.48	-	0		
P3953-01	3					0.2	8.94	6.97	-	0		
P3953-01	4					0.5	8.73	5.09	3.64	1878		
P3953-01	5					1	8.54	1.68	6.86	1905		
P3953-01DUP	1	No	6.40	6.71	20.60	0.05	9.07	8.26	-	0	1902	pH Adjusted
P3953-01DUP	2					0.1	8.99	7.60	-	0		
P3953-01DUP	3					0.2	8.96	7.12	-	0		
P3953-01DUP	4					0.5	8.75	4.99	3.76	1950		
P3953-01DUP	5					1	8.55	1.86	6.69	1854		
P3956-02	1	No	6.57	N/A	20.80	0.5	9.04	7.74	-	0	337.5	
P3956-02	2					1	9.03	7.36	-	0		
P3956-02	3					2	8.94	6.49	2.45	291		
P3956-02	4					3	8.70	4.35	4.35	384		

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.