

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/10/2024

QC BATCH ID: LB130265

BOD Water: WP107382

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107384

NaOH, 1N: WP106529

GGA: WP107383

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107046

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: 9.86

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.41

After Incubation

Meter Calibration2: 8.52

Zero DO Reading2: 0.11 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB130265

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:15

TIME OUT: 15:00

DATE IN: 04/10/2024

DATE OUT: 04/15/2024

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
LB130265BL	1	No	6.7	N/A	20.10	300	9.41	9.40	0.01	0.01	0.01	
POLYSEED	1					10	9.21	2.34	6.87	1.37	1.37	
POLYSEED	2					15	9.06	0.91	-	0		
POLYSEED	3					20	8.97	0.49	-	0		
GGA	1					6	9.29	4.21	5.08	185.5	187.33	
GGA	2					6	9.28	4.18	5.1	186.5		
GGA	3					6	9.29	4.12	5.17	190		
P2059-02	1	No	6.30	6.52	20.00	5	9.29	4.85	4.44	184.2	186	pH Adjusted
P2059-02	2					10	9.28	1.65	7.63	187.8		
P2059-02	3					20	9.24	0.70	-	0		
P2059-02	4					30	9.22	0.34	-	0		
P2059-02DUP	1	No	6.30	6.52	20.00	5	9.27	4.84	4.43	183.6	180.45	pH Adjusted
P2059-02DUP	2					10	9.25	1.97	7.28	177.3		
P2059-02DUP	3					20	9.21	0.33	-	0		
P2059-02DUP	4					30	9.19	0.20	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.