

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/25/2024

QC BATCH ID: LB130506

BOD Water: WP107665

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107667

NaOH, 1N: WP106529

GGA: WP107666

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107608

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.27

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 776 mmHg DO Meter BOD fluid reading for winkler comparison: 9.43

After Incubation

Meter Calibration2: 9.43

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB130506

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:30

TIME OUT: 12:00

DATE IN: 04/25/2024

DATE OUT: 04/30/2024

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
LB130506BL	1	No	6.67	N/A	20.00	300	9.43	9.41	0.02	0.02	0.02	
POLYSEED	1					10	9.31	5.42	3.89	0.78	0.69	
POLYSEED	2					15	9.29	5.18	4.11	0.55		
POLYSEED	3					20	9.16	1.75	7.41	0.74		
GGA	1					6	9.30	5.30	4	165.5	186.67	
GGA	2					6	9.29	4.81	4.48	189.5		
GGA	3					6	9.29	4.50	4.79	205		
P2256-02	1	No	7.69	7.48	20.10	0.5	9.28	7.20	2.08	834	1189.5	pH Adjusted
P2256-02	2					1	9.16	3.32	5.84	1545		
P2256-02	3					2	9.14	0.29	-	0		
P2256-02	4					3	9.10	0.26	-	0		
P2256-02DUP	1	No	7.69	7.48	20.10	0.5	9.26	6.98	2.28	954	1251	pH Adjusted
P2256-02DUP	2					1	9.14	3.29	5.85	1548		
P2256-02DUP	3					2	9.12	0.25	-	0		
P2256-02DUP	4					3	9.08	0.24	-	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.