

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/19/2024

QC BATCH ID: LB130483

BOD Water: WP107552

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107554

NaOH, 1N: WP106529

GGA: WP107553

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: 8.52

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.42

After Incubation

Meter Calibration2: 8.68

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB130483

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:20

TIME OUT: 16:00

DATE IN: 04/19/2024

DATE OUT: 04/24/2024

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
LB130483BL	1	No	6.7	N/A	20.00	300	9.42	9.40	0.02	0.02	0.02	
POLYSEED	1					10	9.32	6.00	3.32	0.66	0.64	
POLYSEED	2					15	9.28	4.59	4.69	0.63		
POLYSEED	3					20	9.23	2.92	6.31	0.63		
GGA	1					6	9.23	5.20	4.03	169.5	179.33	
GGA	2					6	9.23	4.99	4.24	180		
GGA	3					6	9.22	4.81	4.41	188.5		
P2210-01	1	No	5.30	6.55	20.10	0.5	9.22	5.25	3.97	1998	1930.5	pH Adjusted
P2210-01	2					1	9.20	2.35	6.85	1863		
P2210-01	3					2	9.15	0.29	-	0		
P2210-01	4					5	8.99	0.26	-	0		
P2210-01	5					10	8.85	0.17	-	0		
P2210-01DUP	1	No	5.30	6.55	20.10	0.5	9.22	5.73	3.49	1710	1717.5	pH Adjusted
P2210-01DUP	2					1	9.18	2.79	6.39	1725		
P2210-01DUP	3					2	9.13	0.30	-	0		
P2210-01DUP	4					5	8.97	0.26	-	0		
P2210-01DUP	5					10	8.71	0.19	-	0		
P2210-05	1	No	7.20	N/A	20.10	0.01	9.17	6.43	2.74	63000	23983.5	
P2210-05	2					0.05	9.15	5.82	3.33	16140		
P2210-05	3					0.1	9.13	4.30	4.83	12570		
P2210-05	4					0.5	8.97	1.29	7.68	4224		
P2210-05	5					1	8.03	0.25	-	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.