

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 06/06/2024

QC BATCH ID: LB131108

BOD Water: WP108384

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W3109

POLYSEED: WP108386

NaOH, 1N: WP106529

GGA: WP108385

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108093

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.00	8.7	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.7	17.4	8.7	8.7

Meter Calibration1: 8.79

Zero DO Reading1: 0.13 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 8.7

After Incubation

Meter Calibration2: 9.82

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB131108

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 15:30

TIME OUT: 13:45

DATE IN: 06/06/2024

DATE OUT: 06/11/2024

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
LB131108BL	1	No	6.7	N/A	20.00	300	8.7	8.70	0	0	0	
POLYSEED	1					10	8.63	5.85	2.78	0.56	0.51	
POLYSEED	2					15	8.57	4.75	3.82	0.51		
POLYSEED	3					20	8.54	3.97	4.57	0.46		
GGA	1					6	8.49	5.07	3.42	145.5	172.33	
GGA	2					6	8.45	4.50	3.95	172		
GGA	3					6	8.43	3.93	4.5	199.5		
P2722-02	1	No	6.29	6.72	20.10	0.5	8.25	7.16	-	0	865.5	pH Adjusted
P2722-02	2					1	8.24	5.16	3.08	771		
P2722-02	3					2	8.22	1.31	6.91	960		
P2722-02	4					3	8.11	0.18	-	0		
P2743-01	1	No	7.23	N/A	20.00	5	8.42	7.79	-	0	9.46	
P2743-01	2					20	8.39	6.44	-	0		
P2743-01	3					50	8.30	6.20	2.1	9.54		
P2743-01	4					150	7.88	2.68	5.2	9.38		
P2743-01DUP	1	No	7.23	N/A	20.00	5	8.35	7.87	-	0	8.7	
P2743-01DUP	2					20	8.32	7.62	-	0		
P2743-01DUP	3					50	8.24	6.32	-	0		
P2743-01DUP	4					150	7.90	3.04	4.86	8.7		
P2743-03	1	No	6.99	N/A	20.10	5	8.30	8.19	-	0	5.08	
P2743-03	2					20	8.26	7.84	-	0		
P2743-03	3					50	8.25	7.33	-	0		
P2743-03	4					150	7.94	4.89	3.05	5.08		
P2743-05	1	No	7.04	N/A	20.00	5	8.34	7.88	-	0	5.9	
P2743-05	2					20	8.29	8.23	-	0		
P2743-05	3					50	8.27	7.94	-	0		
P2743-05	4					150	8.02	4.56	3.46	5.9		
P2758-04	1	No	8.97	7.20	20.10	5	8.27	8.27	-	0	7.04	pH Adjusted
P2758-04	2					20	8.21	7.20	-	0		
P2758-04	3					50	8.10	6.23	-	0		
P2758-04	4					150	7.99	3.96	4.03	7.04		

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.