

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/31/2024

QC BATCH ID: LB131028

BOD Water: WP108279

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP108280

NaOH, 1N: WP106529

GGA: WP108281

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	0.0	10.4	10.4	10.4
WINKLER 2	WINKLER 2	2	300	10.4	20.8	10.4	10.4

Meter Calibration1: 10.35

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 10.4

After Incubation

Meter Calibration2: 8.77

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB131028

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:30

TIME OUT: 14:30

DATE IN: 05/31/2024

DATE OUT: 06/05/2024

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
LB131028BL	1	No	6.76	N/A	20.00	300	10.44	10.44	0	0	0	
POLYSEED	1					10	10.36	6.41	3.95	0.79	0.74	
POLYSEED	2					15	10.26	5.83	4.43	0.59		
POLYSEED	3					20	10.19	1.88	8.31	0.83		
GGA	1					6	10.31	6.75	3.56	141	202	
GGA	2					6	10.31	5.57	4.74	200		
GGA	3					6	10.30	4.26	6.04	265		
P2684-01	1	No	7.71	6.53	20.10	0.5	10.23	4.18	6.05	3186	3186	pH Adjusted
P2684-01	2					1	10.13	0.26	-	0		
P2684-01	3					2	10.04	0.22	-	0		
P2684-01	4					5	9.53	0.21	-	0		
P2684-01	5					10	8.64	0.20	-	0		
P2684-05	1	No	4.60	6.59	20.10	0.01	10.26	9.73	-	0	10875	pH Adjusted
P2684-05	2					0.05	10.23	8.10	2.13	8340		
P2684-05	3					0.1	10.19	4.98	5.21	13410		
P2684-05	4					0.5	10.06	0.25	-	0		
P2684-05	5					1	9.73	0.31	-	0		
P2684-05DUP	1	No	4.60	6.59	20.10	0.01	10.23	9.00	-	0	10005	pH Adjusted
P2684-05DUP	2					0.05	10.18	8.06	2.12	8280		
P2684-05DUP	3					0.1	10.15	5.50	4.65	11730		
P2684-05DUP	4					0.5	10.05	0.23	-	0		
P2684-05DUP	5					1	9.81	0.32	-	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.

WORKLIST(Hardcopy Internal Chain)

13131028

WorkList Name : BOD5-05312024 WorkList ID : 180695 Department : Wet-Chemistry Date : 05-31-2024 12:50:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2684-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K12	05/31/2024	SM5210 B
P2684-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K12	05/31/2024	SM5210 B

Date/Time 05.31.2024, 15:00
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: JDCSM

Date/Time 05.31.2024, 16:30
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: NF(wc)