

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 07/17/2024

QC BATCH ID: LB131651

BOD Water: WP108754

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP108756

GGA: WP108755

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR#3

GuageID: 0511064

Zero DO: WP108522

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: 8.96

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.87

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB131651

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 15:25

TIME OUT: 13:30

DATE IN: 07/17/2024

DATE OUT: 07/22/2024

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
LB131651BL	1	No	6.72	N/A	20.60	300	9.47	9.45	0.02	0.02	0.02	
POLYSEED	1					10	9.41	5.58	3.83	0.77	0.67	
POLYSEED	2					15	9.36	4.44	4.92	0.66		
POLYSEED	3					20	9.30	3.64	5.66	0.57		
GGA	1					6	9.38	4.79	4.59	196	204	
GGA	2					6	9.36	4.60	4.76	204.5		
GGA	3					6	9.34	4.44	4.9	211.5		
P3270-01	1	No	5.54	6.76	20.40	0.05	9.35	7.04	2.31	9840	5752.5	pH Adjusted
P3270-01	2					0.1	9.30	6.42	2.88	6630		
P3270-01	3					0.2	9.25	5.88	3.37	4050		
P3270-01	4					0.5	8.90	4.08	4.82	2490		
P3270-01	5					1	8.71	0.59	-	0		
P3279-01	1	No	6.27	6.70	20.50	0.5	9.34	4.10	5.24	2742	2742	pH Adjusted
P3279-01	2					1	9.31	0.44	-	0		
P3279-01	3					2	9.15	0.38	-	0		
P3279-01	4					3	9.03	0.37	-	0		
P3279-01DUP	1	No	6.27	6.70	20.50	0.5	9.32	4.21	5.11	2664	2664	pH Adjusted
P3279-01DUP	2					1	9.27	0.42	-	0		
P3279-01DUP	3					2	9.13	0.38	-	0		
P3279-01DUP	4					3	9.02	0.36	-	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.

613151

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5717 WorkList ID : 181913 Department : Wet-Chemistry Date : 07-17-2024 09:29:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3270-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	C31	07/16/2024	SM5210 B
P3279-01	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	07/17/2024	SM5210 B

Date/Time 07/17/2024 14:00
Raw Sample Received by: RM wcy
Raw Sample Relinquished by: CP dm

Date/Time 07/17/2024 15:30
Raw Sample Received by: CP dm
Raw Sample Relinquished by: RM wcy