

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 12/06/2024

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110595

QC BATCH ID: LB133798

BOD Water: WP110989

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP110991

GGA: WP110990

Chlorine Strips: W3155

pH Strips: W3140

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	10.3	10.3	10.3
WINKLER 2	WINKLER 2	2	300	10.2	20.5	10.3	10.3

Meter Calibration1: 10.03 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 10.34

After Incubation

Meter Calibration2: 8.46 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB133798

INCUBATOR TEMP IN(C): 19.7

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 17:00

TIME OUT: 13:50

DATE IN: 12/06/2024

DATE OUT: 12/11/2024

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
LB133798BL	1	No	6.72	N/A	20.70	300	9.33	9.31	0.02	0.02	0.02	
POLYSEED	1					10	10.30	7.32	2.98	0.6	0.64	
POLYSEED	2					15	10.29	5.94	4.35	0.58		
POLYSEED	3					20	10.25	2.84	7.41	0.74		
GGA	1					6	10.31	5.34	4.97	216.5	223.17	
GGA	2					6	10.31	5.24	5.07	221.5		
GGA	3					6	10.29	5.02	5.27	231.5		
P5192-02	1	No	6.24	6.90	20.50	0.5	10.30	8.08	2.22	948	1717.5	pH Adjusted
P5192-02	2					1	10.23	1.30	8.93	2487		
P5192-02	3					2	10.06	0.22	-	0		
P5192-02	4					3	9.95	0.18	-	0		
P5192-02DUP	1	No	6.24	6.90	20.50	0.5	10.28	8.08	2.2	936	1711.5	pH Adjusted
P5192-02DUP	2					1	10.23	1.30	8.93	2487		
P5192-02DUP	3					2	10.08	0.20	-	0		
P5192-02DUP	4					3	9.94	0.18	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

LB33798

WorkList Name : bod5-1206

WorkList ID : 186081

Department : Wet-Chemistry

Date : 12-06-2024 15:22:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5192-02	EFF-WASTE WATER	Water	BOD5	Cool 4 deg C	ARDM01	M11	12/06/2024	SM5210 B

Date/Time 12/06/2024 15.30
Raw Sample Received by: RM cwc
Raw Sample Relinquished by: RM cwc

Date/Time 12/06/2024 16.50
Raw Sample Received by: RM cwc
Raw Sample Relinquished by: RM cwc