

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 12/13/2024

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP111005

QC BATCH ID: LB133930

BOD Water: WP111085

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111087

GGA: WP111086

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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.6	19.00	9.4	9.4

Meter Calibration1: 9.45 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 776 mmHg DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.21 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB133930

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 09:50

TIME OUT: 10:30

DATE IN: 12/13/2024

DATE OUT: 12/18/2024

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
LB133930BL	1	No	6.70	N/A	20.70	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.43	6.63	2.8	0.56	0.61	
POLYSEED	2					15	9.42	4.80	4.62	0.62		
POLYSEED	3					20	9.39	2.79	6.6	0.66		
GGA	1					6	9.42	5.13	4.29	184	187.17	
GGA	2					6	9.42	5.12	4.3	184.5		
GGA	3					6	9.39	4.92	4.47	193		
P5260-02	1	No	6.50	N/A	20.50	0.5	9.38	7.72	-	0	700.83	
P5260-02	2					1	9.37	5.90	3.47	858		
P5260-02	3					2	9.31	4.65	4.66	607.5		
P5260-02	4					3	9.17	2.19	6.98	637		
P5260-02DUP	1	No	6.50	N/A	20.50	0.5	9.37	7.64	-	0	722.5	
P5260-02DUP	2					1	9.36	5.74	3.62	903		
P5260-02DUP	3					2	9.30	4.46	4.84	634.5		
P5260-02DUP	4					3	9.20	2.29	6.91	630		

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)

WorkList Name : BOD5-12-12 WorkList ID : 186273 Department : Wet-Chemistry Date : 12-12-2024 09:58:29

LB133930

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5260-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	M11	12/11/2024	SM5210 B

Date/Time 12/13/2024 08:15
Raw Sample Received by: RM CWL
Raw Sample Relinquished by: RM CWL

Date/Time 12/13/2024 09:20
Raw Sample Received by: RM CWL
Raw Sample Relinquished by: RM CWL