

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 10/31/2024

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110006

QC BATCH ID: LB133238

BOD Water: WP110512

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP110514

GGA: WP110513

Chlorine Strips: W2965

pH Strips: W3104

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: 8.79 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.72 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB133238

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 14:45

TIME OUT: 10:15

DATE IN: 10/31/2024

DATE OUT: 11/05/2024

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
LB133238BL	1	No	6.72	N/A	20.70	300	9.46	9.45	0.01	0.01	0.01	
POLYSEED	1					10	9.45	7.25	2.2	0.44	0.51	
POLYSEED	2					15	9.41	5.38	4.03	0.54		
POLYSEED	3					20	9.33	3.91	5.42	0.54		
GGA	1					6	9.40	5.09	4.31	190	198.5	
GGA	2					6	9.36	4.89	4.47	198		
GGA	3					6	9.35	4.69	4.66	207.5		
P4638-02	1	No	6.83	N/A	20.00	0.5	9.44	7.40	2.04	918	776.5	
P4638-02	2					1	9.37	5.75	3.62	933		
P4638-02	3					2	9.34	3.91	5.43	738		
P4638-02	4					3	9.31	3.63	5.68	517		
P4638-02DUP	1	No	6.83	N/A	20.00	0.5	9.42	7.28	2.14	978	794.75	
P4638-02DUP	2					1	9.36	5.72	3.64	939		
P4638-02DUP	3					2	9.34	3.87	5.47	744		
P4638-02DUP	4					3	9.29	3.60	5.69	518		

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)

66133238

WorkList Name : bod5-1031

WorkList ID : 184978

Department : Wet-Chemistry

Date : 10-31-2024 10:15:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4638-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L11	10/30/2024	SM5210 B

Date/Time 10/31/2024 13:00
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC

Date/Time 10/31/2024 14:30
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC