

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/09/2024

QC BATCH ID: LB132853

BOD Water: WP110109

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP110111

GGA: WP110110

Chlorine Strips: W2965

pH Strips: W3104

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110006

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	9.5	18.9	9.4	9.4

Meter Calibration1: 9.47

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.49

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB132853

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:10

TIME OUT: 11:30

DATE IN: 10/09/2024

DATE OUT: 10/14/2024

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
LB132853BL	1	No	6.79	N/A	20.40	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.44	6.37	3.07	0.61	0.5	
POLYSEED	2					15	9.40	6.00	3.4	0.45		
POLYSEED	3					20	9.37	5.00	4.37	0.44		
GGA	1					6	9.34	5.04	4.3	190	203.17	
GGA	2					6	9.30	4.70	4.6	205		
GGA	3					6	9.30	4.51	4.79	214.5		
P4370-02	1	No	6.33	6.83	20.40	0.5	9.21	6.68	2.53	1218	1065.5	pH Adjusted
P4370-02	2					1	9.09	5.45	3.64	942		
P4370-02	3					2	9.03	1.62	7.41	1036.5		
P4370-02	4					3	8.98	0.14	-	0		
P4370-02DUP	1	No	6.33	6.83	20.40	0.5	9.23	6.50	2.73	1338	1118	pH Adjusted
P4370-02DUP	2					1	9.10	5.30	3.8	990		
P4370-02DUP	3					2	9.04	1.70	7.34	1026		
P4370-02DUP	4					3	8.98	0.21	-	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)

LB132853

WorkList Name : bod5-1024

WorkList ID : 184292

Department : Wet-Chemistry

Date : 10-09-2024 17:15:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4370-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	10/09/2024	SM5210 B

Date/Time 16/09/2024 16:25
Raw Sample Received by: RM CWY
Raw Sample Relinquished by: RM CWY

Date/Time 10/09/2024 17:00
Raw Sample Received by: RM CWY
Raw Sample Relinquished by: RM CWY