

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 07/12/2024

QC BATCH ID: LB131601

BOD Water: WP108724

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP108726

GGA: WP108725

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: 9.16

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.18

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB131601

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:20

TIME OUT: 13:45

DATE IN: 07/12/2024

DATE OUT: 07/17/2024

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
LB131601BL	1	No	6.69	N/A	20.40	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.46	6.10	3.36	0.67	0.66	
POLYSEED	2					15	9.43	4.80	4.63	0.62		
POLYSEED	3					20	9.41	2.42	6.99	0.7		
GGA	1					6	9.47	4.70	4.77	205.5	210.5	
GGA	2					6	9.45	4.63	4.82	208		
GGA	3					6	9.41	4.39	5.02	218		
P3241-01	1	No	7.96	7.36	20.40	0.5	9.43	5.31	4.12	2076	2076	pH Adjusted
P3241-01	2					1	9.35	0.59	-	0		
P3241-01	3					2	9.24	0.42	-	0		
P3241-01	4					5	8.77	0.36	-	0		
P3241-01	5					10	8.10	0.32	-	0		
P3241-01DUP	1	No	7.96	7.36	20.40	0.5	9.43	5.44	3.99	1998	1998	pH Adjusted
P3241-01DUP	2					1	9.34	0.61	-	0		
P3241-01DUP	3					2	9.22	0.39	-	0		
P3241-01DUP	4					5	8.75	0.30	-	0		
P3241-01DUP	5					10	8.09	0.27	-	0		
P3241-05	1	No	4.71	6.82	20.30	0.01	9.26	8.27	-	0	26520	pH Adjusted
P3241-05	2					0.05	9.25	4.17	5.08	26520		
P3241-05	3					0.1	9.22	0.28	-	0		
P3241-05	4					0.5	9.14	0.22	-	0		
P3241-05	5					1	9.02	0.20	-	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.

WORKLIST(Hardcopy Internal Chain)

1613/601

WorkList Name : bod5-7-12

WorkList ID : 181811

Department : Wet-Chemistry

Date : 07-12-2024 10:20:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3241-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K11	07/12/2024	SM5210 B
P3241-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K11	07/12/2024	SM5210 B

Date/Time 07/12/2024 13.45
 Raw Sample Received by: RM WCC
 Raw Sample Relinquished by: CP SN

Date/Time 07/12/2024 17.36
 Raw Sample Received by: CP SN
 Raw Sample Relinquished by: RM WCC