

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/04/2024

QC BATCH ID: LB132778

BOD Water: WP110072

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110074

NaOH, 1N: WP108662

GGA: WP110073

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

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	9.6	19.00	9.4	9.4

Meter Calibration1: 8.96

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: 9.47

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB132778

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:40

TIME OUT: 13:45

DATE IN: 10/04/2024

DATE OUT: 10/09/2024

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
LB132778BL	1	No	6.80	N/A	20.30	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.45	7.09	2.36	0.47	0.52	
POLYSEED	2					15	9.43	5.31	4.12	0.55		
POLYSEED	3					20	9.40	4.11	5.29	0.53		
GGA	1					6	9.44	4.94	4.5	199	208.83	
GGA	2					6	9.41	4.64	4.77	212.5		
GGA	3					6	9.41	4.59	4.82	215		
P4325-01	1	No	8.57	7.09	20.20	0.5	9.46	6.50	2.96	1464	1732.5	pH Adjusted
P4325-01	2					1	9.41	2.22	7.19	2001		
P4325-01	3					2	9.38	0.26	-	0		
P4325-01	4					5	8.99	0.20	-	0		
P4325-01	5					10	8.13	0.18	-	0		
P4325-01DUP	1	No	8.57	7.09	20.20	0.5	9.46	6.38	3.08	1536	1786.5	pH Adjusted
P4325-01DUP	2					1	9.40	2.09	7.31	2037		
P4325-01DUP	3					2	9.36	0.29	-	0		
P4325-01DUP	4					5	8.98	0.16	-	0		
P4325-01DUP	5					10	8.14	0.14	-	0		
P4325-05	1	No	4.70	6.80	20.00	0.01	9.44	7.38	2.06	46200	21930	pH Adjusted
P4325-05	2					0.05	9.37	7.10	2.27	10500		
P4325-05	3					0.1	9.16	5.61	3.55	9090		
P4325-05	4					0.5	8.62	0.57	-	0		
P4325-05	5					1	8.60	0.52	-	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)

LB132778

WorkList Name : BOD5-10-24

WorkList ID : 184149

Department : Wet-Chemistry

Date : 10-04-2024 14:18:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4325-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	H11	10/04/2024	SM5210 B
P4325-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	H11	10/04/2024	SM5210 B

Date/Time 10/04/2024 14.45
 Raw Sample Received by: RM CWJ
 Raw Sample Relinquished by: RM CWJ

Date/Time 10/04/2024 16.30
 Raw Sample Received by: RM CWJ
 Raw Sample Relinquished by: RM CWJ