

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 07/10/2024

QC BATCH ID: LB131559

BOD Water: WP108683

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP108685

GGA: WP108684

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: 8.63

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.44

After Incubation

Meter Calibration2: 8.81

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB131559

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 15:50

TIME OUT: 14:30

DATE IN: 07/10/2024

DATE OUT: 07/15/2024

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
LB131559BL	1	No	6.70	N/A	20.60	300	9.43	9.42	0.01	0.01	0.01	
POLYSEED	1					10	9.38	6.14	3.24	0.65	0.67	
POLYSEED	2					15	9.36	4.19	5.17	0.69		
POLYSEED	3					20	9.34	2.79	6.55	0.66		
GGA	1					6	9.42	4.54	4.88	210.5	220.67	
GGA	2					6	9.40	4.39	5.01	217		
GGA	3					6	9.35	3.99	5.36	234.5		
P3175-01	1	No	7.94	7.46	20.30	2	9.40	8.26	-	0	228.9	pH Adjusted
P3175-01	2					10	9.32	1.02	8.3	228.9		
P3175-01	3					50	9.30	0.30	-	0		
P3175-01	4					100	9.28	0.20	-	0		
P3205-02	1	No	6.73	N/A	20.50	0.5	9.08	7.38	-	0	565.83	
P3205-02	2					1	9.06	6.08	2.98	693		
P3205-02	3					2	9.02	5.52	3.5	424.5		
P3205-02	4					3	8.99	2.52	6.47	580		
P3205-02DUP	1	No	6.73	N/A	20.50	0.5	9.08	7.30	-	0	577.5	
P3205-02DUP	2					1	9.05	6.01	3.04	711		
P3205-02DUP	3					2	9.02	5.40	3.62	442.5		
P3205-02DUP	4					3	8.98	2.52	6.46	579		

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)

66131559.

WorkList Name : bod5-7-10

WorkList ID : 181739

Department : Wet-Chemistry

Date : 07-10-2024 10:15:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3175-01	1-EFFLUENT-COMPOSITE	Water	BOD5	Cool 4 deg C	M&MM01	N21	07/09/2024	SM5210 B
P3205-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	07/10/2024	SM5210 B

Date/Time 07/10/2024 13.40
 Raw Sample Received by: RM
 Raw Sample Relinquished by: JT (Sam)

Date/Time 07/10/2024 15.40
 Raw Sample Received by: JT (Sam)
 Raw Sample Relinquished by: RM (CWC)