

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/03/2024

QC BATCH ID: LB132748

BOD Water: WP110054

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110056

NaOH, 1N: WP108662

GGA: WP110055

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	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.1	18.3	9.2	9.2

Meter Calibration1: 9.04

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.28

After Incubation

Meter Calibration2: 9.47

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

Barometric Pressure2: 7.65 mmHg



QC BATCH ID: LB132748

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 16:30

TIME OUT: 12:00

DATE IN: 10/03/2024

DATE OUT: 10/08/2024

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
LB132748BL	1	No	6.70	N/A	20.20	300	9.27	9.26	0.01	0.01	0.01	
POLYSEED	1					10	9.26	6.86	2.4	0.48	0.51	
POLYSEED	2					15	9.24	5.67	3.57	0.48		
POLYSEED	3					20	9.20	3.38	5.82	0.58		
GGA	1					6	9.25	5.21	4.04	176.5	183	
GGA	2					6	9.20	5.06	4.14	181.5		
GGA	3					6	9.20	4.87	4.33	191		
P4269-02	1	No	6.52	N/A	20.00	0.5	9.26	7.45	-	0	682.5	
P4269-02	2					1	9.24	6.35	2.89	714		
P4269-02	3					2	9.20	4.35	4.85	651		
P4269-02	4					3	9.04	0.46	-	0		
P4269-02DUP	1	No	6.52	N/A	20.00	0.5	9.26	7.59	-	0	696	
P4269-02DUP	2					1	9.24	6.18	3.06	765		
P4269-02DUP	3					2	9.19	4.50	4.69	627		
P4269-02DUP	4					3	9.03	0.50	-	0		
P4274-01	1	No	7.65	7.07	20.40	5	9.25	8.66	-	0		pH Adjusted
P4274-01	2					20	9.23	7.84	-	0		
P4274-01	3					50	9.21	7.68	-	0		
P4274-01	4					150	9.19	7.38	-	0		
P4285-03	1	No	7.25	N/A	20.20	5	9.17	7.43	-	0	7.42	
P4285-03	2					20	9.09	7.10	-	0		
P4285-03	3					50	9.05	6.79	2.26	10.5		
P4285-03	4					150	8.42	5.74	2.68	4.34		
P4289-02	1	No	7.30	N/A	20.00	0.5	9.26	1.08	8.18	4602	4602	
P4289-02	2					1	9.24	0.34	-	0		
P4289-02	3					2	9.20	0.32	-	0		
P4289-02	4					3	9.04	0.30	-	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)

6132748

WorkList Name : BOD-10-3 WorkList ID : 184097 Department : Wet-Chemistry Date : 10-03-2024 13:28:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4269-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	H11	10/02/2024	SM5210 B
P4274-01	222254	Water	BOD5	Cool 4 deg C	PSEG03	J53	10/02/2024	SM5210 B
P4285-03	WATER-TOTES	Water	BOD5	Cool 4 deg C	PSEG03	J51	10/03/2024	SM5210 B
P4289-02	EFF-Waste Water	Water	BOD5	Cool 4 deg C	ARDM01	H11	10/03/2024	SM5210 B

Date/Time 10/03/2024 14:15
 Raw Sample Received by: RM cwc
 Raw Sample Relinquished by: RM cwc

Date/Time 10/03/2024 16:15
 Raw Sample Received by: RM cwc
 Raw Sample Relinquished by: RM cwc