

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/08/2024

QC BATCH ID: LB131917

BOD Water: WP109110

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP109112

GGA: WP109111

Chlorine Strips: W2965

pH Strips: W3121

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP108811

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: 9.48

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: 9.48

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB131917

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:20

TIME OUT: 13:30

DATE IN: 08/08/2024

DATE OUT: 08/13/2024

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
LB131917BL	1	No	6.70	N/A	20.40	300	9.48	9.47	0.01	0.01	0.01	
POLYSEED	1					10	9.46	6.33	3.13	0.63	0.52	
POLYSEED	2					15	9.45	5.94	3.51	0.47		
POLYSEED	3					20	9.43	4.86	4.57	0.46		
GGA	1					6	9.47	5.12	4.35	191.5	195.17	
GGA	2					6	9.47	5.02	4.45	196.5		
GGA	3					6	9.45	4.98	4.47	197.5		
P3497-02	1	No	6.65	N/A	20.00	0.5	9.45	8.95	-	0	321.75	
P3497-02	2					1	9.42	8.02	-	0		
P3497-02	3					2	9.40	7.05	2.35	274.5		
P3497-02	4					3	9.36	5.15	4.21	369		
P3497-02DUP	1	No	6.65	N/A	20.00	0.5	9.45	8.80	-	0	325	
P3497-02DUP	2					1	9.43	8.10	-	0		
P3497-02DUP	3					2	9.39	7.01	2.38	279		
P3497-02DUP	4					3	9.35	5.12	4.23	371		
P3510-01	1	No	6.89	N/A	20.00	5	9.47	8.38	-	0	3.06	
P3510-01	2					20	9.46	8.21	-	0		
P3510-01	3					50	9.44	8.06	-	0		
P3510-01	4					150	9.43	7.38	2.05	3.06		
P3510-03	1	No	6.79	N/A	20.00	5	9.47	8.68	-	0		
P3510-03	2					20	9.45	8.48	-	0		
P3510-03	3					50	9.43	8.08	-	0		
P3510-03	4					150	9.41	8.00	-	0		
P3510-05	1	No	6.94	N/A	20.00	5	9.46	8.76	-	0	7.41	
P3510-05	2					20	9.45	8.50	-	0		
P3510-05	3					50	9.43	7.21	2.22	10.2		
P3510-05	4					150	9.41	6.58	2.83	4.62		

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)

66131917

WorkList Name : bod5-8-7

WorkList ID : 182411

Department : Wet-Chemistry

Date : 08-07-2024 07:55:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3497-02 <u>B</u>	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	08/07/2024	SM5210 B
P3510-01 <u>C</u>	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	D21	08/07/2024	SM5210 B
P3510-03 <u>J</u>	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	D21	08/07/2024	SM5210 B
P3510-05 <u>J</u>	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	D21	08/07/2024	SM5210 B

Date/Time 08/08/2024 15:00
Raw Sample Received by: RTY awc
Raw Sample Relinquished by: RTY awc

Date/Time 08/08/2024 17:30
Raw Sample Received by: RTY awc
Raw Sample Relinquished by: RTY awc