

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/10/2024

QC BATCH ID: LB130258

BOD Water: WP107382

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107384

NaOH, 1N: WP106529

GGA: WP107383

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107046

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 9.86

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.58

Zero DO Reading2: 0.11 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB130258

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 09:45

TIME OUT: 09:04

DATE IN: 04/10/2024

DATE OUT: 04/15/2024

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
LB130258BL	1	No	6.70	N/A	20.00	300	9.48	9.47	0.01	0.01	0.01	
POLYSEED	1					10	9.43	6.20	3.23	0.65	0.62	
POLYSEED	2					15	9.38	5.94	3.44	0.46		
POLYSEED	3					20	9.34	1.94	7.4	0.74		
GGA	1					6	9.40	4.93	4.47	192.5	207.67	
GGA	2					6	9.37	4.52	4.85	211.5		
GGA	3					6	9.36	4.36	5	219		
P2025-03	1	No	7.39	N/A	20.00	5	9.32	9.21	-	0		
P2025-03	2					20	9.29	8.55	-	0		
P2025-03	3					50	9.25	8.46	-	0		
P2025-03	4					150	9.12	7.76	-	0		
P2025-03DUP	1	No	7.39	N/A	20.00	5	9.30	9.15	-	0		
P2025-03DUP	2					20	9.28	8.29	-	0		
P2025-03DUP	3					50	9.23	7.65	-	0		
P2025-03DUP	4					150	9.11	7.51	-	0		
P2030-01	1	No	7.45	N/A	20.10	5	9.38	3.33	6.05	325.8	325.8	
P2030-01	2					10	9.36	0.25	-	0		
P2030-01	3					20	9.33	0.19	-	0		
P2030-01	4					50	9.24	0.18	-	0		
P2030-01	5					100	9.21	0.17	-	0		
P2030-01DUP	1	No	7.45	N/A	20.10	5	9.35	3.43	5.92	318	318	
P2030-01DUP	2					10	9.34	0.25	-	0		
P2030-01DUP	3					20	9.18	0.19	-	0		
P2030-01DUP	4					50	9.12	0.18	-	0		
P2030-01DUP	5					100	8.82	0.17	-	0		
P2030-05	1	No	4.78	7.40	20.00	1	9.37	9.27	-	0	68.4	pH Adjusted
P2030-05	2					5	9.34	9.20	-	0		
P2030-05	3					10	9.29	6.39	2.9	68.4		
P2030-05	4					50	9.07	0.22	-	0		
P2030-05	5					100	9.00	0.17	-	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.

LB130258

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod5-040924 WorkList ID : 179249 Department : Wet-Chemistry Date : 04-10-2024 09:07:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2025-03	TOTE-COMP	Water	BOD5	Cool 4 deg C	PSEG03	P11	04/08/2024	SM5210 B
P2030-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	P31	04/08/2024	SM5210 B
P2030-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	P31	04/08/2024	SM5210 B

Date/Time 04.10.2024 , 9:30
Raw Sample Received by: SK (WC)
Raw Sample Relinquished by: JACWC

Date/Time 04.10.2024 12:00
Raw Sample Received by: SK (WC)
Raw Sample Relinquished by: SK (WC)