

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/10/2024

QC BATCH ID: LB130722

BOD Water: WP107899

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107901

NaOH, 1N: WP106529

GGA: WP107900

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107608

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	9.2	18.4	9.2	9.2

Meter Calibration1: 9.13

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.21

After Incubation

Meter Calibration2: 8.50

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB130722

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:45

TIME OUT: 15:00

DATE IN: 05/10/2024

DATE OUT: 05/15/2024

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
LB130722BL	1	No	6.7	N/A	20.00	300	9.20	9.19	0.01	0.01	0.01	
POLYSEED	1					10	9.18	5.44	3.74	0.75	0.69	
POLYSEED	2					15	9.16	4.06	5.1	0.68		
POLYSEED	3					20	9.12	2.84	6.28	0.63		
GGA	1					6	9.13	5.29	3.84	157.5	179.5	
GGA	2					6	9.12	4.82	4.3	180.5		
GGA	3					6	9.11	4.41	4.7	200.5		
P2440-03	1	No	5.40	6.73	20.10	5	9.10	7.97	-	0	19.44	pH Adjusted
P2440-03	2					20	9.07	6.29	2.78	31.35		
P2440-03	3					50	9.01	5.47	3.54	17.1		
P2440-03	4					150	8.62	2.99	5.63	9.88		
P2440-03DUP	1	No	5.40	6.73	20.10	5	9.10	7.80	-	0	20.11	pH Adjusted
P2440-03DUP	2					20	9.08	6.20	2.88	32.85		
P2440-03DUP	3					50	9.05	5.34	3.71	18.12		
P2440-03DUP	4					150	8.57	3.20	5.37	9.36		
P2464-02	1	No	4.10	6.97	20.10	0.5	9.15	7.47	-	0	414.83	pH Adjusted
P2464-02	2					1	9.13	6.52	2.61	576		
P2464-02	3					2	9.09	6.37	2.72	304.5		
P2464-02	4					3	9.07	4.74	4.33	364		

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.

LB130722

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-05102024 WorkList ID : 180170 Department : Wet-Chemistry Date : 05-10-2024 15:12:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2440-03	EQ-TANK-CONTAINMENT-PIT	Water	BOD5	Cool 4 deg C	PSEG03	L11	05/09/2024	SM5210 B
P2464-02	EFF-VWV	Water	BOD5	Cool 4 deg C	ARDM01	L21	05/10/2024	SM5210 B

Date/Time 05.10.2024, 15:00
Raw Sample Received by: NF(WC)
Raw Sample Relinquished by: JAC

Date/Time 05.10.2024, 17:15
Raw Sample Received by: JAC
Raw Sample Relinquished by: NF(WC)