

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/29/2024

QC BATCH ID: LB130982

BOD Water: WP108230

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP108231

NaOH, 1N: WP106529

GGA: WP108232

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108093

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	10.50	10.5	10.5
WINKLER 2	WINKLER 2	2	300	10.50	21.00	10.5	10.5

Meter Calibration1: 10.30

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 10.49

After Incubation

Meter Calibration2: 8.90

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB130982

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 15:00

TIME OUT: 13:00

DATE IN: 05/29/2024

DATE OUT: 06/03/2024

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
LB130982BL	1	No	6.7	N/A	20.00	300	10.47	10.45	0.02	0.02	0.02	
POLYSEED	1					10	10.35	7.09	3.26	0.65	0.56	
POLYSEED	2					15	10.23	6.60	3.63	0.48		
POLYSEED	3					20	10.18	4.61	5.57	0.56		
GGA	1					6	10.27	5.48	4.79	211.5	220.33	
GGA	2					6	10.28	5.37	4.91	217.5		
GGA	3					6	10.27	5.07	5.2	232		
P2636-01	1	No	8.15	7.48	20.00	5	10.26	8.95	-	0	7.69	pH Adjusted
P2636-01	2					20	10.24	8.28	-	0		
P2636-01	3					50	10.23	7.74	2.49	11.58		
P2636-01	4					150	10.14	7.68	2.46	3.8		
P2636-01DUP	1	No	8.15	7.48	20.00	5	10.25	9.65	-	0	8.01	pH Adjusted
P2636-01DUP	2					20	10.24	8.99	-	0		
P2636-01DUP	3					50	10.20	7.62	2.58	12.12		
P2636-01DUP	4					150	10.11	7.60	2.51	3.9		

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)

LB130982

WorkList Name : BOD5-05292024 WorkList ID : 180614 Department : Wet-Chemistry Date : 05-29-2024 08:49:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2636-01	TOTE-COMP	Water	BOD5	Cool 4 deg C	PSEG03	K21	05/28/2024	SM5210 B

Date/Time 05.29.2024, 14:00
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: JF well

Date/Time 05.29.2024, 15:00
Raw Sample Received by: JF well
Raw Sample Relinquished by: NF(wc)