

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/05/2024

QC BATCH ID: LB130199

BOD Water: WP107294

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107296

NaOH, 1N: WP106529

GGA: WP107295

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	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.52

Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.36

After Incubation

Meter Calibration2: 9.32

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB130199

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:30

TIME OUT: 12:30

DATE IN: 04/05/2024

DATE OUT: 04/10/2024

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
LB130199BL	1	No	6.67	N/A	20.50	300	9.35	9.35	0	0	0	
POLYSEED	1					10	9.31	2.70	6.61	1.32	1.12	
POLYSEED	2					15	9.27	2.34	6.93	0.92		
POLYSEED	3					20	9.24	0.65	-	0		
GGA	1					6	9.82	4.51	5.31	209.5	194.67	
GGA	2					6	9.30	4.50	4.8	184		
GGA	3					6	9.26	4.33	4.93	190.5		
P2019-01	1	No	6.51	N/A	20.00	5	9.31	7.69	-	0	12.96	
P2019-01	2					20	9.10	7.55	-	0		
P2019-01	3					50	8.51	5.23	3.28	12.96		
P2019-01	4					150	6.80	0.24	-	0		
P2019-01DUP	1	No	6.51	N/A	20.00	5	9.33	7.49	-	0	13.62	
P2019-01DUP	2					20	9.08	7.41	-	0		
P2019-01DUP	3					50	8.53	5.14	3.39	13.62		
P2019-01DUP	4					150	6.79	0.22	-	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.

WORKLIST(Hardcopy Internal Chain)

LB130199

WorkList Name : bod5- 04052024 WorkList ID : 179185 Department : Wet-Chemistry Date : 04-05-2024 16:21:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2019-01	NB205-WATER	Water	BOD5	Cool 4 deg C	PSEG03	I41	04/05/2024	SM5210 B

Date/Time 04.05.2024 14:50
Raw Sample Received by: SIL
Raw Sample Relinquished by: SPC

Date/Time 04.05.2024 16:00
Raw Sample Received by: SPC
Raw Sample Relinquished by: SK