

BOD5 LOG

ANALYST: rubina

SUPERVISOR: jignesh

Analysis Date: 10/11/2024

QC BATCH ID: LB132898

BOD Water: WP110146

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP110148

GGA: WP110147

Chlorine Strips: W2965

pH Strips: W3104

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110006

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	9.6	19.00	9.4	9.4

Meter Calibration1: 9.49

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.14

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132898

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:50

TIME OUT: 14:00

DATE IN: 10/11/2024

DATE OUT: 10/16/2024

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
LB132898BL	1	No	6.82	N/A	20.10	300	9.48	9.47	0.01	0.01	0.01	
POLYSEED	1					10	9.47	6.70	2.77	0.55	0.54	
POLYSEED	2					15	9.45	5.09	4.36	0.58		
POLYSEED	3					20	9.40	4.52	4.88	0.49		
GGA	1					6	9.42	5.30	4.12	179	190	
GGA	2					6	9.42	5.12	4.3	188		
GGA	3					6	9.38	4.78	4.6	203		
P4396-01	1	No	7.65	7.39	20.10	5	9.09	8.89	-	0		pH Adjusted
P4396-01	2					20	9.07	8.78	-	0		
P4396-01	3					50	8.87	8.32	-	0		
P4396-01	4					150	8.01	6.46	-	0		
P4396-01DUP	1	No	7.65	7.39	20.10	5	9.10	8.92	-	0		pH Adjusted
P4396-01DUP	2					20	9.07	8.70	-	0		
P4396-01DUP	3					50	9.86	8.52	-	0		
P4396-01DUP	4					150	8.00	6.50	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

UP 132898

WorkList Name : BOD P4396 WorkList ID : 184374 Department : Wet-Chemistry Date : 10-11-2024 16:11:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4396-01	WASTE-WATER-FRAC-TANK	Water	BOD5	Cool 4 deg C	PSEG03	K32	10/11/2024	SM5210 B

Date/Time 10-11-24 16:20
Raw Sample Received by: JH WOC /
Raw Sample Relinquished by: JH WOC

Date/Time 10-11-24 18:00
Raw Sample Received by: JH WOC
Raw Sample Relinquished by: JH WOC