

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: apatel

Analysis Date: 10/15/2021

QC BATCH ID: LB116938

BOD Water: wp93469

Starch: W2703

Sulfuric acid, 1N: WP88863

POLYSEED: wp93471

GGA: wp93470

Chlorine Strips: W2543

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: W2843

NaOH, 1N: WP91991

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP93366

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.6	8.6	8.65
WINKLER 2	WINKLER 2	2	300	8.6	17.3	8.7	8.65

Meter Calibration1: 8.80

Barometric Pressure1: 755 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.69

After Incubation

Meter Calibration2: 8.80

Barometric Pressure2: 755 mmHg

Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.60



QC BATCH ID: LB116938

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 12:25

TIME OUT: 15:00

DATE IN: 10/15/2021

DATE OUT: 10/20/2021

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
LB116938BL	1	No	6.4	N/A	21.20	300	8.68	8.62	0.06	0.06	0.06	
POLYSEED	1					10	8.65	5.26	3.39	0.68	0.65	
POLYSEED	2					15	8.66	3.55	5.11	0.68		
POLYSEED	3					20	8.63	2.75	5.88	0.59		
GGA	1					6	8.60	3.75	4.85	210	205	
GGA	2					6	8.64	3.92	4.72	203.5		
GGA	3					6	8.58	3.90	4.68	201.5		
M4245-02	1	No	6.86	N/A	21.20	0.5	8.64	6.70	-	0	750.75	
M4245-02	2					1	8.61	5.48	3.13	744		
M4245-02	3					2	8.60	2.90	5.7	757.5		
M4245-02	4					5	8.57	0.30	-	0		
M4245-02	5					20	8.32	0.28	-	0		
M4245-02DUP	1	No	6.82	N/A	21.20	0.5	8.62	6.72	-	0	743.25	
M4245-02DUP	2					1	8.60	5.50	3.1	735		
M4245-02DUP	3					2	8.58	2.92	5.66	751.5		
M4245-02DUP	4					5	8.55	0.32	-	0		
M4245-02DUP	5					20	8.30	0.30	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB116938

WorkList Name : BOD101521 WorkList ID : 153289 Department : Wet-Chemistry Date : 10-15-2021 09:57:17

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
10/16/2021	Water	M4245-02	BOD5	Cool 4 deg C	ARDM01	D11	EFF-WW	10/14/2021	SM5210 B

Date/Time 10/15/21 10:00
 Raw Sample Received by: KS (wc)
 Raw Sample Relinquished by: KS (wc)

Date/Time 10/15/21 12:30
 Raw Sample Received by: KS (wc)
 Raw Sample Relinquished by: KS (wc)